```
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 68
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-68

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1133
US-08-988-024C-9
; Sequence 9, Application US/08988024C
; Patent No. 6635452
; GENERAL INFORMATION:
;  APPLICANT: Monforte, Joseph A.
;  APPLICANT:  Becker, Christopher H.
;  APPLICANT:  Pollart, Daniel J.
;  APPLICANT:  Shaler, Thomas A.
;  TITLE OF INVENTION: Releasable No. 6635452volatile Mass-Label Molecules
;  FILE REFERENCE: 24736-2057
;  CURRENT APPLICATION NUMBER: US/08/988,024C
;  CURRENT FILING DATE:  1997-12-10
;  PRIOR APPLICATION NUMBER: US 60/033,037
;  PRIOR FILING DATE: 1996-12-10
;  PRIOR APPLICATION NUMBER: US 60/046,719
;  PRIOR FILING DATE: 1997-05-16
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-08-988-024C-9

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1134
US-08-988-024C-9/c
; Sequence 9, Application US/08988024C
; Patent No. 6635452
; GENERAL INFORMATION:
;  APPLICANT: Monforte, Joseph A.
;  APPLICANT:  Becker, Christopher H.
;  APPLICANT:  Pollart, Daniel J.
;  APPLICANT:  Shaler, Thomas A.
;  TITLE OF INVENTION: Releasable No. 6635452volatile Mass-Label Molecules
;  FILE REFERENCE: 24736-2057
;  CURRENT APPLICATION NUMBER: US/08/988,024C
;  CURRENT FILING DATE:  1997-12-10
;  PRIOR APPLICATION NUMBER: US 60/033,037
;  PRIOR FILING DATE: 1996-12-10
;  PRIOR APPLICATION NUMBER: US 60/046,719
;  PRIOR FILING DATE: 1997-05-16
;  NUMBER OF SEQ ID NOS: 36
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
US-08-988-024C-9

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1135
US-09-435-739-5
; Sequence 5, Application US/09435739
; Patent No. 6664105
; GENERAL INFORMATION:
;  APPLICANT: Pecker, Iris
;  APPLICANT:  Vlodavsky, Israel
;  APPLICANT:  Feinstein, Elena
;  TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY
;  TITLE OF INVENTION:  EXPRESSION OF SAME IN GENETICALLY MODIFIED CELLS
;  FILE REFERENCE: 00/20454
;  CURRENT APPLICATION NUMBER: US/09/435,739
;  CURRENT FILING DATE:  2001-06-05
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-435-739-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1136
US-09-435-739-5/c
; Sequence 5, Application US/09435739
; Patent No. 6664105
; GENERAL INFORMATION:
;  APPLICANT: Pecker, Iris
;  APPLICANT:  Vlodavsky, Israel
;  APPLICANT:  Feinstein, Elena
;  TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HAVING HEPARANASE ACTIVITY
;  TITLE OF INVENTION:  EXPRESSION OF SAME IN GENETICALLY MODIFIED CELLS
;  FILE REFERENCE: 00/20454
;  CURRENT APPLICATION NUMBER: US/09/435,739
;  CURRENT FILING DATE:  2001-06-05
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
;   LENGTH: 15
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;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-435-739-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1137
US-10-091-231-2
; Sequence 2, Application US/10091231
; Patent No. 6664388
; GENERAL INFORMATION:
;  APPLICANT: NELSON, Jeffrey S.
;  TITLE OF INVENTION: REAGENTS FOR OLIGONUCLEOTIDE CLEAVAGE AND DEPROTECTION
;  FILE REFERENCE: 4688US
;  CURRENT APPLICATION NUMBER: US/10/091,231
;  CURRENT FILING DATE:  2002-03-04
;  PRIOR APPLICATION NUMBER: US 60/274,309
;  PRIOR FILING DATE: 2001-03-08
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Synthetic DNA
US-10-091-231-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1138
US-10-091-231-2/c
; Sequence 2, Application US/10091231
; Patent No. 6664388
; GENERAL INFORMATION:
;  APPLICANT: NELSON, Jeffrey S.
;  TITLE OF INVENTION: REAGENTS FOR OLIGONUCLEOTIDE CLEAVAGE AND DEPROTECTION
;  FILE REFERENCE: 4688US
;  CURRENT APPLICATION NUMBER: US/10/091,231
;  CURRENT FILING DATE:  2002-03-04
;  PRIOR APPLICATION NUMBER: US 60/274,309
;  PRIOR FILING DATE: 2001-03-08
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   OTHER INFORMATION: Synthetic DNA
US-10-091-231-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1139
US-09-930-218-5
; Sequence 5, Application US/09930218
; Patent No. 6677137
; GENERAL INFORMATION:
;  APPLICANT: goldshmidt, orit
;  APPLICANT:  pecker, iris
;  APPLICANT:  vlodavsky, israel
;  APPLICANT:  israel, michal
;  TITLE OF INVENTION: AVIAN AND REPTILE DERIVED POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HA
;  TITLE OF INVENTION:  HEPARANASE ACTIVITY
;  FILE REFERENCE: 01/22335
;  CURRENT APPLICATION NUMBER: US/09/930,218
;  CURRENT FILING DATE:  2001-08-16
;  PRIOR APPLICATION NUMBER: 09/666,390
;  PRIOR FILING DATE: 2000-09-20
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic polynucleotide
US-09-930-218-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1140
US-09-930-218-5/c
; Sequence 5, Application US/09930218
; Patent No. 6677137
; GENERAL INFORMATION:
;  APPLICANT: goldshmidt, orit
;  APPLICANT:  pecker, iris
;  APPLICANT:  vlodavsky, israel
;  APPLICANT:  israel, michal
;  TITLE OF INVENTION: AVIAN AND REPTILE DERIVED POLYNUCLEOTIDE ENCODING A POLYPEPTIDE HA
;  TITLE OF INVENTION:  HEPARANASE ACTIVITY
;  FILE REFERENCE: 01/22335
;  CURRENT APPLICATION NUMBER: US/09/930,218
;  CURRENT FILING DATE:  2001-08-16
;  PRIOR APPLICATION NUMBER: 09/666,390
;  PRIOR FILING DATE: 2000-09-20
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic polynucleotide
US-09-930-218-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 5.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1
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RESULT 1141
US-08-087-387-6
; Sequence 6, Application US/08087387
; Patent No. 5473060
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic andtherapeutic applic
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/087,387
;      FILING DATE:  19930702
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-087-387-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTT 2179
                ||||||||||||||
Db          2 CTTTTTTTTTTTTTT 16


RESULT 1142
US-08-455-627-6
; Sequence 6, Application US/08455627
; Patent No. 5571677
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-627-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTT 2179
                ||||||||||||||
Db          2 CTTTTTTTTTTTTTT 16


RESULT 1143
US-08-461-271-6
; Sequence 6, Application US/08461271
; Patent No. 5741643
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,271
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/087,387
;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-461-271-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
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  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTT 2179
              ||||||||||||||||
Db          2 CTTTTTTTTTTTTTT 16


RESULT 1144
US-08-713-685A-6
; Sequence 6, Application US/08713685A
; Patent No. 5817795
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/713,685A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/461,271
;      FILING DATE:
;      APPLICATION NUMBER:  08/087,387
;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-713-685A-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTT 2179
              ||||||||||||||||
Db          2 CTTTTTTTTTTTTTT 16


RESULT 1145
US-08-689-856-6
; Sequence 6, Application US/08689856
; Patent No. 5830658
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/689,856
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-689-856-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTT 2179
              ||||||||||||||||
Db          2 CTTTTTTTTTTTTTT 16


RESULT 1146
US-09-070-477-6
; Sequence 6, Application US/09070477
; Patent No. 6048974
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/070,477
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/713,685
;      FILING DATE:
;      APPLICATION NUMBER:  08/461,271
;      FILING DATE:
;      APPLICATION NUMBER:  08/087,387
```

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;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-070-477-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTT 2179
             |||||||||||||||
Db          2 CTTTTTTTTTTTTTT 16


RESULT 1147
US-09-507-345A-3
; Sequence 3, Application US/09507345A
; Patent No. 6426408
;  GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/507,345A
;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;  INFORMATION FOR SEQ ID NO: 3:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       FEATURE:
;            NAME/KEY:  modified_base
;            LOCATION:  16
;            OTHER INFORMATION:  /mod_base= OTHER
;            /note= "N = thymidine modified by 6-aminohexanoic acid
;            (-NH(CH-2)-6COOH)"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-507-345A-3

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  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1148
US-09-507-345A-3/c
; Sequence 3, Application US/09507345A
; Patent No. 6426408
;  GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/507,345A
;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;  INFORMATION FOR SEQ ID NO: 3:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
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;            LOCATION:  16
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;            /note= "N = thymidine modified by 6-aminohexanoic acid
;            (-NH(CH-2)-6COOH)"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-507-345A-3
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Qy       2786 AAAAAAAAAAAAAAA 2800
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Db         15 AAAAAAAAAAAAAAA 1


RESULT 1149
US-09-507-345A-4
; Sequence 4, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/507,345A
;             FILING DATE: 18-Feb-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003500US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 4:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
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;             NAME/KEY:  modified_base
;             LOCATION:  16
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "N = thymidine modified by minor groove binder moiety
;             represented by X, where m = one
;             4-amino-N-methylpyrrol-2-carboxylic acid residue"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-507-345A-4

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  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
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Db          1 TTTTTTTTTTTTTTT 15


RESULT 1150
US-09-507-345A-4/c
; Sequence 4, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/507,345A
;             FILING DATE: 18-Feb-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003500US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 4:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  modified_base
;             LOCATION:  16
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "N = thymidine modified by minor groove binder moiety
;             represented by X, where m = one
;             4-amino-N-methylpyrrol-2-carboxylic acid residue"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-507-345A-4

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  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
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RESULT 1151
US-09-507-345A-5
; Sequence 5, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
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;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
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;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/507,345A
;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 5:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
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;       MOLECULE TYPE: DNA
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;            NAME/KEY:  modified_base
;            LOCATION:  16
;            OTHER INFORMATION:  /mod_base= OTHER
;            /note= "N = thymidine modified by minor groove binder moiety
;            represented by X, where m = two
;            4-amino-N-methylpyrrol-2-carboxylic acid residues"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-507-345A-5

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Qy       2166 TTTTTTTTTTTTTTT 2180
             |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1152
US-09-507-345A-5/c
; Sequence 5, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
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;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/507,345A
;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 5:
;       SEQUENCE CHARACTERISTICS:
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;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
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;            represented by X, where m = two
;            4-amino-N-methylpyrrol-2-carboxylic acid residues"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-507-345A-5

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  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
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Db         15 AAAAAAAAAAAAAAA 1


RESULT 1153
US-09-507-345A-6
; Sequence 6, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
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;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/507,345A
;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 6:
;       SEQUENCE CHARACTERISTICS:
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;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
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;            OTHER INFORMATION:  /mod_base= OTHER
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;            represented by X, where m = three
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;       SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-507-345A-6

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Db          1 TTTTTTTTTTTTTTT 15


RESULT 1154
US-09-507-345A-6/c
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; Patent No. 6426408
;   GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/507,345A
;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 6:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
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;       SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-507-345A-6

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  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

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Db         15 AAAAAAAAAAAAAAA 1


RESULT 1155
US-09-507-345A-7
; Sequence 7, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
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;       CURRENT APPLICATION DATA:
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;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
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;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 7:
;       SEQUENCE CHARACTERISTICS:
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;            TYPE: nucleic acid
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;            LOCATION:  16
;            OTHER INFORMATION:  /mod_base= OTHER
;            /note= "N = thymidine modified by minor groove binder moiety
;            represented by X, where m = four
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;       SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-507-345A-7

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  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
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Db          1 TTTTTTTTTTTTTTT 15


RESULT 1156
US-09-507-345A-7/c
; Sequence 7, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/507,345A
;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 7:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       FEATURE:
;            NAME/KEY:  modified_base
;            LOCATION:  16
;            OTHER INFORMATION:  /mod_base= OTHER
;            /note= "N = thymidine modified by minor groove binder moiety
;            represented by X, where m = four
;            4-amino-N-methylpyrrol-2-carboxylic acid residues"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-507-345A-7

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  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
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Db         15 AAAAAAAAAAAAAAA 1


RESULT 1157
US-09-507-345A-8
; Sequence 8, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/507,345A
;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 8:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
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;       FEATURE:
;            NAME/KEY:  modified_base
;            LOCATION:  16
;            OTHER INFORMATION:  /mod_base= OTHER
;            /note= "N = thymidine modified by minor groove binder moiety
;            represented by X, where m = five
;            4-amino-N-methylpyrrol-2-carboxylic acid residues"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-507-345A-8

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1158
US-09-507-345A-8/c
; Sequence 8, Application US/09507345A
; Patent No. 6426408
;   GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonuclectide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/507,345A
;            FILING DATE: 18-Feb-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003500US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 8:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       FEATURE:
;            NAME/KEY:  modified_base
;            LOCATION:  16
;            OTHER INFORMATION:  /mod_base= OTHER
;            /note= "N = thymidine modified by minor groove binder moiety
;            represented by X, where m = five
;            4-amino-N-methylpyrrol-2-carboxylic acid residues"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-507-345A-8

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  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1159
US-09-411-628-1
; Sequence 1, Application US/09411628
; Patent No. 6428994
; GENERAL INFORMATION:
;  APPLICANT: University of Southern California
;  TITLE OF INVENTION: cDNA, GENOMIC, AND PREDICTED PROTEIN
;  TITLE OF INVENTION: SEQUENCES OF LEARNING-INDUCED KINASES
;  FILE REFERENCE: 13761-707
;  CURRENT APPLICATION NUMBER: US/09/411,628
;  CURRENT FILING DATE: 1999-10-01
;  EARLIER APPLICATION NUMBER: US 60/102,906
;  EARLIER FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Anchored primer
US-09-411-628-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          1 AAGCTTTTTTTTTTT 15


RESULT 1160
US-08-894-251A-7
; Sequence 7, Application US/08894251A
; Patent No. 6455305
; GENERAL INFORMATION:
;  APPLICANT: Shlomo Melmed (Inventor)
;  APPLICANT:  Lin Pei (Inventor)
;  TITLE OF INVENTION: Pituitary-Tumor-Transforming Genes, and
;  TITLE OF INVENTION:  Related Products
;  FILE REFERENCE: P07 39556 (80392)
;  CURRENT APPLICATION NUMBER: US/08/894,251A
;  CURRENT FILING DATE:  1999-07-23
;  PRIOR APPLICATION NUMBER: PCT/US97/21463
;  PRIOR FILING DATE: 1997-11-21
;  PRIOR APPLICATION NUMBER: US 60/031,338
;  PRIOR FILING DATE: 1996-11-21
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: n = a, g, or c
US-08-894-251A-7

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  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy       1767 AAGCTTTTTTTTTTT 1781
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Db          1 AAGCTTTTTTTTTTT 15


RESULT 1161
US-09-739-928-3
; Sequence 3, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/739,928
;             FILING DATE: 11-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;             APPLICATION NUMBER: US 09/507,345
;             FILING DATE: 18-FEB-2000
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003510US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 3:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  modified_base
;             LOCATION:  16
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "N = thymidine modified by 6-aminohexanoic acid
;             (-NH(CH-2)-6COOH)"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-739-928-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             ||||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1162
US-09-739-928-3/c
; Sequence 3, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/739,928
;             FILING DATE: 11-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;             APPLICATION NUMBER: US 09/507,345
;             FILING DATE: 18-FEB-2000
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003510US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 3:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  modified_base
;             LOCATION:  16
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "N = thymidine modified by 6-aminohexanoic acid
;             (-NH(CH-2)-6COOH)"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-739-928-3

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  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
             ||||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1163
US-09-739-928-4
; Sequence 4, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
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;                    Lukhtanov, Eugeny A.
;                    Gamper, Howard B.
;                    Meyer Jr., Rich B.
;         TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                             Groove Binder Conjugates
;         NUMBER OF SEQUENCES: 12
;         CORRESPONDENCE ADDRESS:
;              ADDRESSEE: Townsend and Townsend and Crew LLP
;              STREET: Two Embarcadero Center, Eighth Floor
;              CITY: San Francisco
;              STATE: California
;              COUNTRY: USA
;              ZIP: 94111-3834
;         COMPUTER READABLE FORM:
;              MEDIUM TYPE: Floppy disk
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;              OPERATING SYSTEM: PC-DOS/MS-DOS
;              SOFTWARE: PatentIn Release #1.0, Version #1.30
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/739,928
;              FILING DATE: 11-May-2001
;              CLASSIFICATION: <Unknown>
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: US 08/415,370
;              FILING DATE: 03-APR-1995
;              APPLICATION NUMBER: US 09/141,764
;              FILING DATE: 27-AUG-1998
;              APPLICATION NUMBER: US 09/507,345
;              FILING DATE: 18-FEB-2000
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Kezer, William B.
;              REGISTRATION NUMBER: 37,369
;              REFERENCE/DOCKET NUMBER: 17682A-003510US
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (415) 576-0200
;              TELEFAX: (415) 576-0300
;    INFORMATION FOR SEQ ID NO: 4:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 16 base pairs
;              TYPE: nucleic acid
;              STRANDEDNESS: single
;              TOPOLOGY: linear
;         MOLECULE TYPE: DNA
;         FEATURE:
;              NAME/KEY:  modified_base
;              LOCATION:  16
;              OTHER INFORMATION:  /mod_base= OTHER
;              /note= "N = thymidine modified by minor groove binder moiety
;              represented by X, where m = one
;              4-amino-N-methylpyrrol-2-carboxylic acid residue"
;         SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-739-928-4

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  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1164
US-09-739-928-4/c
; Sequence 4, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;         APPLICANT: Kutyavin, Igor V.
;                    Lukhtanov, Eugeny A.
;                    Gamper, Howard B.
;                    Meyer Jr., Rich B.
;         TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                             Groove Binder Conjugates
;         NUMBER OF SEQUENCES: 12
;         CORRESPONDENCE ADDRESS:
;              ADDRESSEE: Townsend and Townsend and Crew LLP
;              STREET: Two Embarcadero Center, Eighth Floor
;              CITY: San Francisco
;              STATE: California
;              COUNTRY: USA
;              ZIP: 94111-3834
;         COMPUTER READABLE FORM:
;              MEDIUM TYPE: Floppy disk
;              COMPUTER: IBM PC compatible
;              OPERATING SYSTEM: PC-DOS/MS-DOS
;              SOFTWARE: PatentIn Release #1.0, Version #1.30
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/739,928
;              FILING DATE: 11-May-2001
;              CLASSIFICATION: <Unknown>
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: US 08/415,370
;              FILING DATE: 03-APR-1995
;              APPLICATION NUMBER: US 09/141,764
;              FILING DATE: 27-AUG-1998
;              APPLICATION NUMBER: US 09/507,345
;              FILING DATE: 18-FEB-2000
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Kezer, William B.
;              REGISTRATION NUMBER: 37,369
;              REFERENCE/DOCKET NUMBER: 17682A-003510US
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (415) 576-0200
;              TELEFAX: (415) 576-0300
;    INFORMATION FOR SEQ ID NO: 4:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 16 base pairs
;              TYPE: nucleic acid
;              STRANDEDNESS: single
;              TOPOLOGY: linear
;         MOLECULE TYPE: DNA
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;              NAME/KEY:  modified_base
;              LOCATION:  16
;              OTHER INFORMATION:  /mod_base= OTHER
;              /note= "N = thymidine modified by minor groove binder moiety
;              represented by X, where m = one
;              4-amino-N-methylpyrrol-2-carboxylic acid residue"
;         SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-739-928-4

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  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
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Db         15 AAAAAAAAAAAAAAA 1


RESULT 1165
US-09-739-928-5
; Sequence 5, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;         APPLICANT: Kutyavin, Igor V.
;                    Lukhtanov, Eugeny A.
;                    Gamper, Howard B.
;                    Meyer Jr., Rich B.
;         TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                             Groove Binder Conjugates
;         NUMBER OF SEQUENCES: 12
;         CORRESPONDENCE ADDRESS:
;              ADDRESSEE: Townsend and Townsend and Crew LLP
;              STREET: Two Embarcadero Center, Eighth Floor
;              CITY: San Francisco
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;              STATE: California
;              COUNTRY: USA
;              ZIP: 94111-3834
;         COMPUTER READABLE FORM:
;              MEDIUM TYPE: Floppy disk
;              COMPUTER: IBM PC compatible
;              OPERATING SYSTEM: PC-DOS/MS-DOS
;              SOFTWARE: PatentIn Release #1.0, Version #1.30
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/739,928
;              FILING DATE: 11-May-2001
;              CLASSIFICATION: <Unknown>
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: US 08/415,370
;              FILING DATE: 03-APR-1995
;              APPLICATION NUMBER: US 09/141,764
;              FILING DATE: 27-AUG-1998
;              APPLICATION NUMBER: US 09/507,345
;              FILING DATE: 18-FEB-2000
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Kezer, William B.
;              REGISTRATION NUMBER: 37,369
;              REFERENCE/DOCKET NUMBER: 17682A-003510US
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (415) 576-0200
;              TELEFAX: (415) 576-0300
;    INFORMATION FOR SEQ ID NO: 5:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 16 base pairs
;              TYPE: nucleic acid
;              STRANDEDNESS: single
;              TOPOLOGY: linear
;         MOLECULE TYPE: DNA
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;              NAME/KEY:  modified_base
;              LOCATION:  16
;              OTHER INFORMATION:  /mod_base= OTHER
;              /note= "N = thymidine modified by minor groove binder moiety
;              represented by X, where m = two
;              4-amino-N-methylpyrrol-2-carboxylic acid residues"
;         SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-739-928-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1166
US-09-739-928-5/c
; Sequence 5, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;         APPLICANT: Kutyavin, Igor V.
;                    Lukhtanov, Eugeny A.
;                    Gamper, Howard B.
;                    Meyer Jr., Rich B.
;         TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                             Groove Binder Conjugates
;         NUMBER OF SEQUENCES: 12
;         CORRESPONDENCE ADDRESS:
;              ADDRESSEE: Townsend and Townsend and Crew LLP
;              STREET: Two Embarcadero Center, Eighth Floor
;              CITY: San Francisco
;              STATE: California
;              COUNTRY: USA
;              ZIP: 94111-3834
;         COMPUTER READABLE FORM:
;              MEDIUM TYPE: Floppy disk
;              COMPUTER: IBM PC compatible
;              OPERATING SYSTEM: PC-DOS/MS-DOS
;              SOFTWARE: PatentIn Release #1.0, Version #1.30
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/739,928
;              FILING DATE: 11-May-2001
;              CLASSIFICATION: <Unknown>
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: US 08/415,370
;              FILING DATE: 03-APR-1995
;              APPLICATION NUMBER: US 09/141,764
;              FILING DATE: 27-AUG-1998
;              APPLICATION NUMBER: US 09/507,345
;              FILING DATE: 18-FEB-2000
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Kezer, William B.
;              REGISTRATION NUMBER: 37,369
;              REFERENCE/DOCKET NUMBER: 17682A-003510US
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (415) 576-0200
;              TELEFAX: (415) 576-0300
;    INFORMATION FOR SEQ ID NO: 5:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 16 base pairs
;              TYPE: nucleic acid
;              STRANDEDNESS: single
;              TOPOLOGY: linear
;         MOLECULE TYPE: DNA
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;              NAME/KEY:  modified_base
;              LOCATION:  16
;              OTHER INFORMATION:  /mod_base= OTHER
;              /note= "N = thymidine modified by minor groove binder moiety
;              represented by X, where m = two
;              4-amino-N-methylpyrrol-2-carboxylic acid residues"
;         SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-739-928-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
             |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1167
US-09-739-928-6
; Sequence 6, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;         APPLICANT: Kutyavin, Igor V.
;                    Lukhtanov, Eugeny A.
;                    Gamper, Howard B.
;                    Meyer Jr., Rich B.
;         TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                             Groove Binder Conjugates
;         NUMBER OF SEQUENCES: 12
;         CORRESPONDENCE ADDRESS:
;              ADDRESSEE: Townsend and Townsend and Crew LLP
;              STREET: Two Embarcadero Center, Eighth Floor
;              CITY: San Francisco
;              STATE: California
;              COUNTRY: USA
;              ZIP: 94111-3834
;         COMPUTER READABLE FORM:
;              MEDIUM TYPE: Floppy disk
;              COMPUTER: IBM PC compatible
;              OPERATING SYSTEM: PC-DOS/MS-DOS
;              SOFTWARE: PatentIn Release #1.0, Version #1.30
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/739,928
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;              FILING DATE: 11-May-2001
;              CLASSIFICATION: <Unknown>
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: US 08/415,370
;              FILING DATE: 03-APR-1995
;              APPLICATION NUMBER: US 09/141,764
;              FILING DATE: 27-AUG-1998
;              APPLICATION NUMBER: US 09/507,345
;              FILING DATE: 18-FEB-2000
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Kezer, William B.
;              REGISTRATION NUMBER: 37,369
;              REFERENCE/DOCKET NUMBER: 17682A-003510US
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (415) 576-0200
;              TELEFAX: (415) 576-0300
;    INFORMATION FOR SEQ ID NO: 6:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 16 base pairs
;              TYPE: nucleic acid
;              STRANDEDNESS: single
;              TOPOLOGY: linear
;         MOLECULE TYPE: DNA
;         FEATURE:
;              NAME/KEY:  modified_base
;              LOCATION:  16
;              OTHER INFORMATION:  /mod_base= OTHER
;              /note= "N = thymidine modified by minor groove binder moiety
;              represented by X, where m = three
;              4-amino-N-methylpyrrol-2-carboxylic acid residues"
;         SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-739-928-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1168
US-09-739-928-6/c
; Sequence 6, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;         APPLICANT: Kutyavin, Igor V.
;                    Lukhtanov, Eugeny A.
;                    Gamper, Howard B.
;                    Meyer Jr., Rich B.
;         TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                             Groove Binder Conjugates
;         NUMBER OF SEQUENCES: 12
;         CORRESPONDENCE ADDRESS:
;              ADDRESSEE: Townsend and Townsend and Crew LLP
;              STREET: Two Embarcadero Center, Eighth Floor
;              CITY: San Francisco
;              STATE: California
;              COUNTRY: USA
;              ZIP: 94111-3834
;         COMPUTER READABLE FORM:
;              MEDIUM TYPE: Floppy disk
;              COMPUTER: IBM PC compatible
;              OPERATING SYSTEM: PC-DOS/MS-DOS
;              SOFTWARE: PatentIn Release #1.0, Version #1.30
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/739,928
;              FILING DATE: 11-May-2001
;              CLASSIFICATION: <Unknown>
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: US 08/415,370
;              FILING DATE: 03-APR-1995
;              APPLICATION NUMBER: US 09/141,764
;              FILING DATE: 27-AUG-1998
;              APPLICATION NUMBER: US 09/507,345
;              FILING DATE: 18-FEB-2000
;         ATTORNEY/AGENT INFORMATION:
;              NAME: Kezer, William B.
;              REGISTRATION NUMBER: 37,369
;              REFERENCE/DOCKET NUMBER: 17682A-003510US
;         TELECOMMUNICATION INFORMATION:
;              TELEPHONE: (415) 576-0200
;              TELEFAX: (415) 576-0300
;    INFORMATION FOR SEQ ID NO: 6:
;         SEQUENCE CHARACTERISTICS:
;              LENGTH: 16 base pairs
;              TYPE: nucleic acid
;              STRANDEDNESS: single
;              TOPOLOGY: linear
;         MOLECULE TYPE: DNA
;         FEATURE:
;              NAME/KEY:  modified_base
;              LOCATION:  16
;              OTHER INFORMATION:  /mod_base= OTHER
;              /note= "N = thymidine modified by minor groove binder moiety
;              represented by X, where m = three
;              4-amino-N-methylpyrrol-2-carboxylic acid residues"
;         SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-739-928-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1169
US-09-739-928-7
; Sequence 7, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;         APPLICANT: Kutyavin, Igor V.
;                    Lukhtanov, Eugeny A.
;                    Gamper, Howard B.
;                    Meyer Jr., Rich B.
;         TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                             Groove Binder Conjugates
;         NUMBER OF SEQUENCES: 12
;         CORRESPONDENCE ADDRESS:
;              ADDRESSEE: Townsend and Townsend and Crew LLP
;              STREET: Two Embarcadero Center, Eighth Floor
;              CITY: San Francisco
;              STATE: California
;              COUNTRY: USA
;              ZIP: 94111-3834
;         COMPUTER READABLE FORM:
;              MEDIUM TYPE: Floppy disk
;              COMPUTER: IBM PC compatible
;              OPERATING SYSTEM: PC-DOS/MS-DOS
;              SOFTWARE: PatentIn Release #1.0, Version #1.30
;         CURRENT APPLICATION DATA:
;              APPLICATION NUMBER: US/09/739,928
;              FILING DATE: 11-May-2001
;              CLASSIFICATION: <Unknown>
;         PRIOR APPLICATION DATA:
;              APPLICATION NUMBER: US 08/415,370
;              FILING DATE: 03-APR-1995
;              APPLICATION NUMBER: US 09/141,764
;              FILING DATE: 27-AUG-1998
;              APPLICATION NUMBER: US 09/507,345
;              FILING DATE: 18-FEB-2000
;         ATTORNEY/AGENT INFORMATION:
```

```
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003510US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 7:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  modified_base
;             LOCATION:  16
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "N = thymidine modified by minor groove binder moiety
;             represented by X, where m = four
;             4-amino-N-methylpyrrol-2-carboxylic acid residues"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-739-928-7

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1170
US-09-739-928-7/c
; Sequence 7, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/739,928
;             FILING DATE: 11-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;             APPLICATION NUMBER: US 09/507,345
;             FILING DATE: 18-FEB-2000
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003510US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 7:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        FEATURE:
;             NAME/KEY:  modified_base
;             LOCATION:  16
;             OTHER INFORMATION:  /mod_base= OTHER
;             /note= "N = thymidine modified by minor groove binder moiety
;             represented by X, where m = four
;             4-amino-N-methylpyrrol-2-carboxylic acid residues"
;        SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-739-928-7

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1171
US-09-739-928-8
; Sequence 8, Application US/09739928
; Patent No. 6486308
;   GENERAL INFORMATION:
;        APPLICANT: Kutyavin, Igor V.
;                   Lukhtanov, Eugeny A.
;                   Gamper, Howard B.
;                   Meyer Jr., Rich B.
;        TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                            Groove Binder Conjugates
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Townsend and Townsend and Crew LLP
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: California
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/739,928
;             FILING DATE: 11-May-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 08/415,370
;             FILING DATE: 03-APR-1995
;             APPLICATION NUMBER: US 09/141,764
;             FILING DATE: 27-AUG-1998
;             APPLICATION NUMBER: US 09/507,345
;             FILING DATE: 18-FEB-2000
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Kezer, William B.
;             REGISTRATION NUMBER: 37,369
;             REFERENCE/DOCKET NUMBER: 17682A-003510US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 8:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
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;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       FEATURE:
;            NAME/KEY:  modified_base
;            LOCATION:  16
;            OTHER INFORMATION:  /mod_base= OTHER
;            /note= "N = thymidine modified by minor groove binder moiety
;            represented by X, where m = five
;            4-amino-N-methylpyrrol-2-carboxylic acid residues"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-739-928-8

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1172
US-09-739-928-8/c
; Sequence 8, Application US/09739928
; Patent No. 6486308
;  GENERAL INFORMATION:
;       APPLICANT: Kutyavin, Igor V.
;                  Lukhtanov, Eugeny A.
;                  Gamper, Howard B.
;                  Meyer Jr., Rich B.
;       TITLE OF INVENTION: Covalently Linked Oligonucleotide Minor
;                           Groove Binder Conjugates
;       NUMBER OF SEQUENCES: 12
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: California
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/739,928
;            FILING DATE: 11-May-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 08/415,370
;            FILING DATE: 03-APR-1995
;            APPLICATION NUMBER: US 09/141,764
;            FILING DATE: 27-AUG-1998
;            APPLICATION NUMBER: US 09/507,345
;            FILING DATE: 18-FEB-2000
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Kezer, William B.
;            REGISTRATION NUMBER: 37,369
;            REFERENCE/DOCKET NUMBER: 17682A-003510US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;  INFORMATION FOR SEQ ID NO: 8:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       FEATURE:
;            NAME/KEY:  modified_base
;            LOCATION:  16
;            OTHER INFORMATION:  /mod_base= OTHER
;            /note= "N = thymidine modified by minor groove binder moiety
;            represented by X, where m = five
;            4-amino-N-methylpyrrol-2-carboxylic acid residues"
;       SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-739-928-8

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         15 AAAAAAAAAAAAAAA 1


RESULT 1173
US-09-300-958A-57
; Sequence 57, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 57
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-57

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          1 AAGCTTTTTTTTTTT 15


RESULT 1174
US-09-300-958A-58
; Sequence 58, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
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; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-58

Query Match 0.5%; Score 15; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1767 AAGCTTTTTTTTTTT 1781
||||||||||||||||
Db 1 AAGCTTTTTTTTTTT 15

RESULT 1175
US-09-300-958A-84
; Sequence 84, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
; APPLICANT: McClelland, Michael
; APPLICANT: Welsh, John
; APPLICANT: Trenkle, Thomas
; TITLE OF INVENTION: Reduced Complexity Nucleic Acid Targets and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-PH 3457
; CURRENT APPLICATION NUMBER: US/09/300,958A
; CURRENT FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/083,331
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/098,070
; PRIOR FILING DATE: 1998-08-27
; PRIOR APPLICATION NUMBER: 60/118,624
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 84
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-84

Query Match 0.5%; Score 15; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1767 AAGCTTTTTTTTTTT 1781
||||||||||||||||
Db 1 AAGCTTTTTTTTTTT 15

RESULT 1176
US-09-300-958A-85
; Sequence 85, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
; APPLICANT: McClelland, Michael
; APPLICANT: Welsh, John
; APPLICANT: Trenkle, Thomas
; TITLE OF INVENTION: Reduced Complexity Nucleic Acid Targets and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-PH 3457
; CURRENT APPLICATION NUMBER: US/09/300,958A
; CURRENT FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/083,331
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/098,070
; PRIOR FILING DATE: 1998-08-27
; PRIOR APPLICATION NUMBER: 60/118,624
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 85
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-85

Query Match 0.5%; Score 15; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1767 AAGCTTTTTTTTTTT 1781
||||||||||||||||
Db 1 AAGCTTTTTTTTTTT 15

RESULT 1177
US-09-527-972-16
; Sequence 16, Application US/09527972
; Patent No. 6642438
; GENERAL INFORMATION:
; APPLICANT: Clendennen, Stephanie K.
; APPLICANT: Kellogg, Jill A.
; APPLICANT: Phan, Chau B.
; APPLICANT: Mathews, Helena V.
; APPLICANT: Webb, Nancy M.
; TITLE OF INVENTION: Banana and Melon Promoters for
; TITLE OF INVENTION: Expression of Transgenes in Plants
; FILE REFERENCE: 4257-0019.30
; CURRENT APPLICATION NUMBER: US/09/527,972
; CURRENT FILING DATE: 2000-03-17
; EARLIER APPLICATION NUMBER: US 60/125,310
; EARLIER FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide primer
US-09-527-972-16

Query Match 0.5%; Score 15; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 7.3e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1767 AAGCTTTTTTTTTTT 1781
||||||||||||||||
Db 1 AAGCTTTTTTTTTTT 15

RESULT 1178
US-09-527-972-17
; Sequence 17, Application US/09527972
; Patent No. 6642438
; GENERAL INFORMATION:
; APPLICANT: Clendennen, Stephanie K.
; APPLICANT: Kellogg, Jill A.
; APPLICANT: Phan, Chau B.
; APPLICANT: Mathews, Helena V.
; APPLICANT: Webb, Nancy M.
; TITLE OF INVENTION: Banana and Melon Promoters for
; TITLE OF INVENTION: Expression of Transgenes in Plants
; FILE REFERENCE: 4257-0019.30
; CURRENT APPLICATION NUMBER: US/09/527,972

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;  CURRENT FILING DATE: 2000-03-17
;  EARLIER APPLICATION NUMBER: US 60/125,310
;  EARLIER FILING DATE: 1999-03-19
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
;    LENGTH: 16
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: oligonucleotide primer
US-09-527-972-17

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          1 AAGCTTTTTTTTTTT 15


RESULT 1179
US-10-174-794-1
; Sequence 1, Application US/10174794
; Patent No. 6664086
; GENERAL INFORMATION:
;  APPLICANT: University of Southern California
;  TITLE OF INVENTION: cDNA, GENOMIC, AND PREDICTED PROTEIN
;  TITLE OF INVENTION:  SEQUENCES OF LEARNING-INDUCED KINASES
;  FILE REFERENCE: 13761-707
;  CURRENT APPLICATION NUMBER: US/10/174,794
;  CURRENT FILING DATE:  2002-06-18
;  PRIOR APPLICATION NUMBER: US/09/411,628
;  PRIOR FILING DATE: 1999-10-01
;  PRIOR APPLICATION NUMBER: US 60/102,906
;  PRIOR FILING DATE: 1998-10-02
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
;    LENGTH: 16
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Anchored primer
US-10-174-794-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          1 AAGCTTTTTTTTTTT 15


RESULT 1180
US-08-584-040-2549/c
; Sequence 2549, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;     APPLICANT:  Pavco, Pamela
;     APPLICANT:  McSwiggen, James
;     APPLICANT:  Stinchcomb, Dan T.
;     APPLICANT:  Escobedo, Jaime
;     TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;     TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;     TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;     TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;     TITLE OF INVENTION:  GROWTH FACTOR
;     NUMBER OF SEQUENCES:  8502
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Lyon & Lyon
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/584,040
;       FILING DATE:  January 11, 1996
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/005,974
;       FILING DATE:  October 26, 1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  218/064
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2549:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-2549

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         17 AAAAAAAAAAAAAAA 3


RESULT 1181
US-08-584-040-2552
; Sequence 2552, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;     APPLICANT:  Pavco, Pamela
;     APPLICANT:  McSwiggen, James
;     APPLICANT:  Stinchcomb, Dan T.
;     APPLICANT:  Escobedo, Jaime
;     TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;     TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;     TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;     TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;     TITLE OF INVENTION:  GROWTH FACTOR
;     NUMBER OF SEQUENCES:  8502
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Lyon & Lyon
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
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;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2552:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2552

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 8.9e+02;
  Matches    0;  Conservative   15;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              ::::::::::::::::
Db          1 UUUUUUUUUUUUUUU 15


RESULT 1182
US-09-475-947A-118
; Sequence 118, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 118
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-118

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1183
US-09-300-958A-63/c
; Sequence 63, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 63
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-63

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         16 AAAAAAAAAAAAAAA 2


RESULT 1184
US-09-371-772B-1073/c
; Sequence 1073, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1073
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1073

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         17 AAAAAAAAAAAAAAA 3


RESULT 1185
US-09-371-772B-1076
; Sequence 1076, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
```

```
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1076
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1076

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 8.9e+02;
  Matches    0;  Conservative   15;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              ::::::::::::::::
Db          1 UUUUUUUUUUUUUUU 15


RESULT 1186
US-08-937-067-17
; Sequence 17, Application US/08937067
; Patent No. 6433155
;  GENERAL INFORMATION:
;    APPLICANT:  Umansky, Samuil
;    APPLICANT:  Melkonyan, Hovsep
;    TITLE OF INVENTION:  A FAMILY OF GENES ENCODING
;    TITLE OF INVENTION:  APOPTOSIS-RELATED PEPTIDES; PEPTIDES ENCODED THEREBY AND
;    TITLE OF INVENTION:  METHODS OF USE THEREOF
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/937,067
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lehnhardt, Susan K.
;      REGISTRATION NUMBER:  33,943
;      REFERENCE/DOCKET NUMBER:  23647-20018.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 813-5600
;      TELEFAX:  (650) 494-0792
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-937-067-17

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1187
US-08-584-040-2185
; Sequence 2185, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2185:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2185

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   26.7%;  Pred. No. 8.9e+02;
  Matches    4;  Conservative   11;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1769 GCTTTTTTTTTTTGA 1783
              ||::::::::::::||
Db          3 GCUUUUUUUUUUUGA 17


RESULT 1188
US-08-584-040-2186
; Sequence 2186, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
```

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;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2186:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2186

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   26.7%;  Pred. No. 8.9e+02;
  Matches    4;  Conservative   11;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1769 GCTTTTTTTTTTTGA 1783
              ||:::::::::::||
Db          2 GCUUUUUUUUUUUGA 16


RESULT 1189
US-08-584-040-2187
; Sequence 2187, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2187:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2187

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   26.7%;  Pred. No. 8.9e+02;
  Matches    4;  Conservative   11;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1769 GCTTTTTTTTTTTGA 1783
              ||:::::::::::||
Db          1 GCUUUUUUUUUUUGA 15


RESULT 1190
US-09-788-338-3
; Sequence 3, Application US/09788338
; Patent No. 6485916
; GENERAL INFORMATION:
;  APPLICANT: MURAMATSU, TAKAMICHI
;  APPLICANT:  FUJITA, TAKESHI
;  APPLICANT:  KIYAMA, MASAHARU
;  APPLICANT:  IRIE, TAKASHI
;  TITLE OF INVENTION: PREPARATION METHOD OF NUCLEIC ACID SAMPLE FOR RARE
;  TITLE OF INVENTION:  EXPRESSED GENES AND ANALYZING METHOD USING THE PREPARED
;  TITLE OF INVENTION:  NUCLEIC ACID SAMPLES THEREBY
;  FILE REFERENCE: NIT-129-02
;  CURRENT APPLICATION NUMBER: US/09/788,338
;  CURRENT FILING DATE:  2001-02-21
;  PRIOR APPLICATION NUMBER: 09/313,637
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: JP 10-153651
;  PRIOR FILING DATE: 1998-05-20
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-788-338-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          2 TTTTTTTTTTTTTTT 16


RESULT 1191
US-09-788-338-3/c
; Sequence 3, Application US/09788338
; Patent No. 6485916
; GENERAL INFORMATION:
;  APPLICANT: MURAMATSU, TAKAMICHI
;  APPLICANT:  FUJITA, TAKESHI
;  APPLICANT:  KIYAMA, MASAHARU
;  APPLICANT:  IRIE, TAKASHI
;  TITLE OF INVENTION: PREPARATION METHOD OF NUCLEIC ACID SAMPLE FOR RARE
;  TITLE OF INVENTION:  EXPRESSED GENES AND ANALYZING METHOD USING THE PREPARED
;  TITLE OF INVENTION:  NUCLEIC ACID SAMPLES THEREBY
;  FILE REFERENCE: NIT-129-02
;  CURRENT APPLICATION NUMBER: US/09/788,338
;  CURRENT FILING DATE:  2001-02-21
;  PRIOR APPLICATION NUMBER: 09/313,637
;  PRIOR FILING DATE: 1999-05-18
;  PRIOR APPLICATION NUMBER: JP 10-153651
;  PRIOR FILING DATE: 1998-05-20
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-788-338-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         16 AAAAAAAAAAAAAAA 2


RESULT 1192
US-09-300-958A-64
; Sequence 64, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 64
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-64

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          2 TTTTTTTTTTTTTTT 16


RESULT 1193
US-09-300-958A-64/c
; Sequence 64, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 64
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-64

  Query Match             0.5%;  Score 15;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 8.9e+02;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         16 AAAAAAAAAAAAAAA 2


RESULT 1194
US-09-371-772B-730
; Sequence 730, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 730
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-730
```

Query Match 0.5%; Score 15; DB 1; Length 17;
Best Local Similarity 26.7%; Pred. No. 8.9e+02;
Matches 4; Conservative 11; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1769 GCTTTTTTTTTTTGA 1783
              ||:::::::::::||
Db          3 GCUUUUUUUUUUUGA 17
```

RESULT 1195
US-09-371-772B-731
; Sequence 731, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 731
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-731

Query Match 0.5%; Score 15; DB 1; Length 17;
Best Local Similarity 26.7%; Pred. No. 8.9e+02;
Matches 4; Conservative 11; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1769 GCTTTTTTTTTTTGA 1783
              ||:::::::::::||
Db          2 GCUUUUUUUUUUUGA 16
```

RESULT 1196
US-09-371-772B-732
; Sequence 732, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 732
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-732

Query Match 0.5%; Score 15; DB 1; Length 17;
Best Local Similarity 26.7%; Pred. No. 8.9e+02;
Matches 4; Conservative 11; Mismatches 0; Indels 0; Gaps 0;

```
Qy       1769 GCTTTTTTTTTTTGA 1783
              ||:::::::::::||
Db          1 GCUUUUUUUUUUUGA 15
```

RESULT 1197
US-09-437-076-1/c
; Sequence 1, Application US/09437076
; Patent No. 6261779
; GENERAL INFORMATION:
; APPLICANT: Barber-Guillem, Emilio
; APPLICANT: Nelson, M. Bud
; APPLICANT: Castro, Stephanie
; TITLE OF INVENTION: Nanocrystals having polynucleotide strands and their use to form
; CURRENT APPLICATION NUMBER: US/09/437,076
; CURRENT FILING DATE: 1999-11-09
; EARLIER APPLICATION NUMBER:
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Word for Windows
; SEQ ID NO 1
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY:
; LOCATION:
; OTHER INFORMATION: synthesized
US-09-437-076-1

Query Match 0.5%; Score 15; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db         18 TTTTTTTTTTTTTTT 4
```

RESULT 1198
US-09-437-076-2
; Sequence 2, Application US/09437076
; Patent No. 6261779
; GENERAL INFORMATION:
; APPLICANT: Barber-Guillem, Emilio
; APPLICANT: Nelson, M. Bud
; APPLICANT: Castro, Stephanie
; TITLE OF INVENTION: Nanocrystals having polynucleotide strands and their use to form
; CURRENT APPLICATION NUMBER: US/09/437,076
; CURRENT FILING DATE: 1999-11-09
; EARLIER APPLICATION NUMBER:
; EARLIER FILING DATE:
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Word for Windows
; SEQ ID NO 2
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY:
; LOCATION:
; OTHER INFORMATION: synthesized
US-09-437-076-2

Query Match 0.5%; Score 15; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
```

```
Db          4 TTTTTTTTTTTTTT 18


RESULT 1199
US-09-437-076-2/c
; Sequence 2, Application US/09437076
; Patent No. 6261779
; GENERAL INFORMATION:
;  APPLICANT: Barber-Guillem, Emilio
;  APPLICANT: Nelson, M. Bud
;  APPLICANT: Castro, Stephanie
;  TITLE OF INVENTION: Nanocrystals having polynucleotide strands and their use to form
;  CURRENT APPLICATION NUMBER: US/09/437,076
;  CURRENT FILING DATE: 1999-11-09
;  EARLIER APPLICATION NUMBER:
;  EARLIER FILING DATE:
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: Word for Windows
; SEQ ID NO 2
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   NAME/KEY:
;   LOCATION:
;   OTHER INFORMATION: synthesized
US-09-437-076-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         18 AAAAAAAAAAAAAAA 4


RESULT 1200
US-09-616-761-6/c
; Sequence 6, Application US/09616761
; Patent No. 6380377
; GENERAL INFORMATION:
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION:  Nucleic Acid Hairpin Probes and Uses
;  TITLE OF INVENTION:  Thereof
;  FILE REFERENCE:  475412000400
;  CURRENT APPLICATION NUMBER: US/09/616,761
;  CURRENT FILING DATE:  2000-07-14
;  NUMBER OF SEQ ID NOS:  7
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Hairpin probe
US-09-616-761-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAA 2794
              |||||||||||||||
Db         15 GAATTGAAAAAAAAA 1


RESULT 1201
US-09-422-978-5483
; Sequence 5483, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5483
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-4595 for SEQ 1549,
US-09-422-978-5483

  Query Match             0.5%;  Score 15;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2410 ATGGGGTCTGTAAAT 2424
              |||||||||||||||
Db          3 ATGGGGTCTGTAAAT 17


RESULT 1202
US-09-823-634A-6/c
; Sequence 6, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Immobilized oligonucleotide
US-09-823-634A-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAA 2794
              |||||||||||||||
Db         15 GAATTGAAAAAAAAA 1


RESULT 1203
US-09-823-647B-6/c
; Sequence 6, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
```

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;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Immobilized oligonucleotide
US-09-823-647B-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAA 2794
              |||||||||||||||
Db         15 GAATTGAAAAAAAAA 1


RESULT 1204
US-09-349-035-2
; Sequence 2, Application US/09349035
; Patent No. 6414135
; GENERAL INFORMATION:
;  APPLICANT: Cook, Philip Dan
;  APPLICANT:  Wang, Tingmin
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  An, Haoyun
;  TITLE OF INVENTION: C3'-Methylene Hydrogen Phosphonate Monomers and Related Compounds
;  FILE REFERENCE: Isis-3311
;  CURRENT APPLICATION NUMBER: US/09/349,035
;  CURRENT FILING DATE:  1999-07-07
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: M=2'-O-methyl nucleotide; *=3'-methylenephosphonate linkage
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: n=5-methyluridine
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: M=2'-O-methyl nucleotide
US-09-349-035-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1205
US-09-349-035-2/c
; Sequence 2, Application US/09349035
; Patent No. 6414135
; GENERAL INFORMATION:
;  APPLICANT: Cook, Philip Dan
;  APPLICANT:  Wang, Tingmin
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  An, Haoyun
;  TITLE OF INVENTION: C3'-Methylene Hydrogen Phosphonate Monomers and Related Compounds
;  FILE REFERENCE: Isis-3311
;  CURRENT APPLICATION NUMBER: US/09/349,035
;  CURRENT FILING DATE:  1999-07-07
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: M=2'-O-methyl nucleotide; *=3'-methylenephosphonate linkage
;   NAME/KEY: misc_feature
;   LOCATION: (16)..(19)
;   OTHER INFORMATION: n=5-methyluridine
;   NAME/KEY: misc_feature
;   LOCATION: (19)..(19)
;   OTHER INFORMATION: M=2'-O-methyl nucleotide
US-09-349-035-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 1.3e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1206
US-08-715-461-5
; Sequence 5, Application US/08715461
; Patent No. 5985556
;  GENERAL INFORMATION:
;    APPLICANT:  KAMBARA, Hideki
;    APPLICANT:  OKANO, Kazunori
;    TITLE OF INVENTION:  DNA SEQUENCING METHOD AND DNA SAMPLE
;    TITLE OF INVENTION:  PREPARATION METHOD
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ANTONELLI, TERRY STOUT & KRAUS
;      STREET:  1300 No. 5985556th Seventeenth Street, Suite 1800
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22209
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/715,461
;      FILING DATE:  18-SEP-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  TERRY, David T.
;      REGISTRATION NUMBER:  20,178
;      REFERENCE/DOCKET NUMBER:  500.34872X00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-312-6600
;      TELEFAX:  703-312-6666
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  NO
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;    ANTI-SENSE:  NO
US-08-715-461-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||||||||||
Db          1 TTTTTTTTTTTTTTT 15


RESULT 1207
US-08-371-121-19/c
; Sequence 19, Application US/08371121
; Patent No. 5652123
;  GENERAL INFORMATION:
;    APPLICANT:  CAPUT, Daniel
;    APPLICANT:  FERRARA, Pascual
;    APPLICANT:  GUILLEMOT, Jean-Claude
;    APPLICANT:  LEPLATOIS, Pascal
;    APPLICANT:  MINTY, Adrian
;    APPLICANT:  KAGHAD, Mourad
;    APPLICANT:  LABIT-LE BOUTEILLER, Christine
;    APPLICANT:  MAGAZIN, Marilyn
;    TITLE OF INVENTION:  Protein having a cytokine type
;    TITLE OF INVENTION:  activity, recombinant DNA coding for this protein,
;    TITLE OF INVENTION:  transformed cells and microorganisms.
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY & LARDNER
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington, D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/371,121
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/938,161
;      FILING DATE:  30-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/FR92/00280
;      FILING DATE:  27-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 91 00137
;      FILING DATE:  08-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 91 03904
;      FILING DATE:  29-MAR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SAXE, Bernhard D.
;      REGISTRATION NUMBER:  28,665
;      REFERENCE/DOCKET NUMBER:  16781/383
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 672-5300
;      TELEFAX:  (202) 672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
US-08-371-121-19

  Query Match             0.5%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
              |||||||||||||||
Db         15 CCTTTTTTTTTTTTT 1


RESULT 1208
US-07-927-391-20/c
; Sequence 20, Application US/07927391
; Patent No. 6001649
;  GENERAL INFORMATION:
;    APPLICANT:  CAPUT, Daniel
;    APPLICANT:  FERRARA, Pascual
;    APPLICANT:  MILOUX, Brigitte
;    APPLICANT:  MINTY, Adrian
;    APPLICANT:  VITA, Natalio
;    TITLE OF INVENTION:  Protein having a cytokin type
;    TITLE OF INVENTION:  activity,and recombinant DNA,expression vector and hosts
;    TITLE OF INVENTION:  for its preparation.
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY & LARDNER
;      STREET:  King Street Station,Suite 500,1800 Diagonal
;      STREET:  Road,PO Box 299
;      CITY:  ALEXANDRIA
;      STATE:  VIRGINIA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/927,391
;      FILING DATE:  19920929
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SAXE, Bernhard D
;      REGISTRATION NUMBER:  28,665
;      REFERENCE/DOCKET NUMBER:  16781/369
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-9300
;      TELEFAX:  (703) 683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-07-927-391-20

  Query Match             0.5%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
              |||||||||||||||
Db         15 CCTTTTTTTTTTTTT 1


RESULT 1209
US-08-858-876A-6/c
; Sequence 6, Application US/08858876A
; Patent No. 6022856
;  GENERAL INFORMATION:
;    APPLICANT:  Daniel CAPUT
```

```
;    APPLICANT:  Pascale CHALON
;    APPLICANT:  Pascual FERRARA
;    APPLICANT:  Vita NATALIO
;    TITLE OF INVENTION:  Type 2 Neurotensin Receptor
;    TITLE OF INVENTION:  (hNT-R2)
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern, PLLC
;      STREET:  400 Seventh Street
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,876A
;      FILING DATE:  19-SEP-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/FR 9723204
;      FILING DATE:  17-MAR-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,049
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-858-876A-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
             |||||||||||||||
Db         15 CCTTTTTTTTTTTTT 1


RESULT 1210
US-09-228-942-7
; Sequence 7, Application US/09228942
; Patent No. 6203988
; GENERAL INFORMATION:
;  APPLICANT: Kambara, Hideki
;  APPLICANT: Uematsu, Chihiro
;  TITLE OF INVENTION: DNA FRAGMENT ANALYSIS METHOD AND REAGENT KIT
;  FILE REFERENCE: ASA-757
;  CURRENT APPLICATION NUMBER: US/09/228,942
;  CURRENT FILING DATE: 1999-01-12
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide ligated to 3' end of DNA fragment
US-09-228-942-7

  Query Match             0.5%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
             |||||||||||||||
Db          6 AAAAAAAAAAAAAAA 20


RESULT 1211
US-09-228-942-7/c
; Sequence 7, Application US/09228942
; Patent No. 6203988
; GENERAL INFORMATION:
;  APPLICANT: Kambara, Hideki
;  APPLICANT: Uematsu, Chihiro
;  TITLE OF INVENTION: DNA FRAGMENT ANALYSIS METHOD AND REAGENT KIT
;  FILE REFERENCE: ASA-757
;  CURRENT APPLICATION NUMBER: US/09/228,942
;  CURRENT FILING DATE: 1999-01-12
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide ligated to 3' end of DNA fragment
US-09-228-942-7

  Query Match             0.5%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
             |||||||||||||||
Db         20 TTTTTTTTTTTTTTT 6


RESULT 1212
US-09-472-880-6/c
; Sequence 6, Application US/09472880
; Patent No. 6274333
;   GENERAL INFORMATION:
;        APPLICANT: Daniel CAPUT
;                   Pascale CHALON
;                   Pascual FERRARA
;                   Vita NATALIO
;        TITLE OF INVENTION: Type 2 Neurotensin Receptor
;                            (hNT-R2)
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
;             STREET: 400 Seventh Street
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/472,880
;             FILING DATE: 28-Dec-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: PCT/FR 9723204
;             FILING DATE: 17-MAR-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Player, William E.
;             REGISTRATION NUMBER: 31,049
;   INFORMATION FOR SEQ ID NO: 6:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: nucleic acid
;             STRANDEDNESS: single
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;           TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-472-880-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
              |||||||||||||||
Db         15 CCTTTTTTTTTTTTT 1


RESULT 1213
US-08-235-180-19
; Sequence 19, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-19

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1214
US-08-235-180-20
; Sequence 20, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-20

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1215
US-08-235-180-21
; Sequence 21, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
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;       COUNTRY:  USA
;       ZIP:  90017
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;       SOFTWARE:  WordPerfect (Version 5.1)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/235,180
;       FILING DATE:  April 29, 1994
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;     PRIOR APPLICATION DATA:  including application
;     PRIOR APPLICATION DATA:  described below:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  205/026
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  21:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-235-180-21

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
                ||||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1216
US-08-235-180-22
; Sequence 22, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-22

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
                ||||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1217
US-08-235-180-23
; Sequence 23, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
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US-08-235-180-23

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1218
US-08-235-180-24
; Sequence 24, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  24:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-24

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1219
US-08-235-180-29
; Sequence 29, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  29:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-29

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1220
US-08-235-180-30
; Sequence 30, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
```

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;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-30

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1221
US-08-332-420-1
; Sequence 1, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1222
US-08-332-420-2
; Sequence 2, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19
```

```
RESULT 1223
US-08-332-420-3
; Sequence 3, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1224
US-08-332-420-4
; Sequence 4, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-4

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1225
US-08-332-420-5
; Sequence 5, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
```

```
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-5

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1226
US-08-332-420-6
; Sequence 6, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-6

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1227
US-08-332-420-11
; Sequence 11, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-11

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1228
US-08-332-420-12
; Sequence 12, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
```

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;       SOFTWARE:  WordPerfect (Version 5.1)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/332,420
;       FILING DATE:  October 31, 1994
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/235,180
;       FILING DATE:  April 29, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  210/041
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  12:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-332-420-12

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1229
US-08-499-899-1
; Sequence 1, Application US/08499899
; Patent No. 5814445
;  GENERAL INFORMATION:
;    APPLICANT:  Belyavsky et al.
;    TITLE OF INVENTION:  Method Of Identification And
;    TITLE OF INVENTION:  Cloning Differentially Expressed
;    TITLE OF INVENTION:  Messenger RNAs
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WordPerfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/499,899
;      FILING DATE:  July 11, 1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  O'Dea, Sean W.
;      REGISTRATION NUMBER:  37690
;      REFERENCE/DOCKET NUMBER:  454-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-499-899-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
              |||||||||||||||
Db          8 CCTTTTTTTTTTTTT 22


RESULT 1230
US-08-974-180-1
; Sequence 1, Application US/08974180
; Patent No. 6025194
;  GENERAL INFORMATION:
;    APPLICANT:  Funk, Walter
;    TITLE OF INVENTION:  Methods for Modulating and Identifying
;    TITLE OF INVENTION:  Cellular Senescence
;    NUMBER OF SEQUENCES:  36
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Geron Corporation
;      STREET:  230 Constitution Drive
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/974,180
;      FILING DATE:  19-NOV-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kaster, Kevin R.
;      REGISTRATION NUMBER:  32,704
;      REFERENCE/DOCKET NUMBER:  206
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 473-7779
;      TELEFAX:  (650) 473-8654
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  -
;      LOCATION:  1..22
;      OTHER INFORMATION:  /note= "3' primer "E""
US-08-974-180-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1231
US-08-964-143-1
; Sequence 1, Application US/08964143
; Patent No. 6120996
;  GENERAL INFORMATION:
;    APPLICANT:  Belyavsky et al.
;    TITLE OF INVENTION:  Method Of Identification And
;    TITLE OF INVENTION:  Cloning Differentially Expressed
;    TITLE OF INVENTION:  Messenger RNAs
```

```
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WordPerfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/964,143
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/499,899
;      FILING DATE:  July 11, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  O'Dea, Sean W.
;      REGISTRATION NUMBER:  37690
;      REFERENCE/DOCKET NUMBER:  454-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-964-143-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
              |||||||||||||||
Db          8 CCTTTTTTTTTTTTT 22


RESULT 1232
US-09-199-865-3
; Sequence 3, Application US/09199865
; Patent No. 6433138
; GENERAL INFORMATION:
;  APPLICANT: Zimrin, Ann B.
;  APPLICANT: Maciag, Thomas
;  APPLICANT: Wong, Michael K.K.
;  APPLICANT: Pepper, Michael S.
;  APPLICANT: Montesano, Roberto
;  TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS
;  TITLE OF INVENTION: BASED ON JAGGED/NOTCH PROTEINS AND NUCLEIC ACIDS
;  FILE REFERENCE: 0036-1U1
;  CURRENT APPLICATION NUMBER: US/09/199,865
;  CURRENT FILING DATE: 1998-11-25
;  EARLIER APPLICATION NUMBER: 60/018,841
;  EARLIER FILING DATE: 1996-05-31
;  EARLIER APPLICATION NUMBER: PCT/US97/09407
;  EARLIER FILING DATE: 1997-05-30
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: 3' reverse
;   OTHER INFORMATION: transcription primer
US-09-199-865-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTTTT 1781
              |||||||||||||||
Db          5 AAGCTTTTTTTTTTT 19


RESULT 1233
US-07-722-798A-55/c
; Sequence 55, Application US/07722798A
; Patent No. 5427930
;  GENERAL INFORMATION:
;    APPLICANT:  Larry G. Birkenmeyer
;    APPLICANT:  John J. Carrino
;    APPLICANT:  Bruce J. Dille
;    APPLICANT:  Hsiang-Yun Hu
;    APPLICANT:  Jon David Kratochvil
;    APPLICANT:  Thomas G. Laffler
;    APPLICANT:  Ronald L. Marshall
;    APPLICANT:  Laurie A. Rinehardt
;    APPLICANT:  Natalie A. Solomon
;    TITLE OF INVENTION:  AMPLIFICATION OF TARGET NUCLEIC
;    TITLE OF INVENTION:  ACIDS USING GAP FILLING LIGASE CHAIN REACTION
;    NUMBER OF SEQUENCES:  124
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  One Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy diskette
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Wordperfect 5.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/722,798A
;      FILING DATE:  19910628
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thomas D. Brainard
;      REGISTRATION NUMBER:  32,459
;      REFERENCE/DOCKET NUMBER:  4773.US.P2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  708-937-4884
;      TELEFAX:  708-937-9556
;  INFORMATION FOR SEQ ID NO:  55:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  23
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid (synthetic DNA)
US-07-722-798A-55

  Query Match             0.5%;  Score 15;  DB 1;  Length 23;
  Best Local Similarity   78.3%;  Pred. No. 2.1e+03;
  Matches   18;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy         92 ATTTTGGATTTACCGCTTGGGGG 114
              |||||| ||||   |||||| ||
Db         23 ATTTTGAATTTTTTGCTTGGAGG 1


RESULT 1234
US-09-429-499-3/c
; Sequence 3, Application US/09429499
; Patent No. 6143504
; GENERAL INFORMATION:
```

```
;  APPLICANT: DAS, SOMA
;  APPLICANT: LEDBETTER, DAVID H.
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS OF FRAGILE X
;  TITLE OF INVENTION: SYNDROME
;  FILE REFERENCE: ARCD:302
;  CURRENT APPLICATION NUMBER: US/09/429,499
;  CURRENT FILING DATE: 1999-10-27
;  EARLIER APPLICATION NUMBER: 60/105,892
;  EARLIER FILING DATE: 1998-10-27
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-429-499-3

  Query Match             0.5%;  Score 15;  DB 1;  Length 23;
  Best Local Similarity   78.3%;  Pred. No. 2.1e+03;
  Matches   18;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGC 73
              | ||| | ||||||||| | |||
Db         23 GAGGCAGTGGCGGCGGCGGGCGC 1


RESULT 1235
US-09-557-170A-10
; Sequence 10, Application US/09557170A
; Patent No. 6605699
; GENERAL INFORMATION:
;  APPLICANT: Ni et al.
;  TITLE OF INVENTION: Galectin 11
;  FILE REFERENCE: PF354P2
;  CURRENT APPLICATION NUMBER: US/09/557,170A
;  CURRENT FILING DATE:  2000-04-21
;  PRIOR APPLICATION NUMBER: 09/109,864
;  PRIOR FILING DATE: 1998-06-06
;  PRIOR APPLICATION NUMBER: 09/010,146
;  PRIOR FILING DATE: 1998-01-21
;  PRIOR APPLICATION NUMBER: 60/034,205
;  PRIOR FILING DATE: 1997-01-21
;  PRIOR APPLICATION NUMBER: 60/034,204
;  PRIOR FILING DATE: 1997-01-21
;  PRIOR APPLICATION NUMBER: 60/169,932
;  PRIOR FILING DATE: 1999-12-10
;  PRIOR APPLICATION NUMBER: 60/130,390
;  PRIOR FILING DATE: 1999-04-21
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-557-170A-10

  Query Match             0.5%;  Score 15;  DB 1;  Length 23;
  Best Local Similarity   78.3%;  Pred. No. 2.1e+03;
  Matches   18;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATCAACCCCCTGC 437
              ||||||| |||| | ||||  ||
Db          1 CGCCGCCACCATGAGCCCCAGGC 23


RESULT 1236
US-09-750-401-20
; Sequence 20, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
;   LENGTH: 23
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of Neuronal-Cadherin
US-09-750-401-20

  Query Match             0.5%;  Score 15;  DB 1;  Length 23;
  Best Local Similarity   0.0%;  Pred. No. 2.1e+03;
  Matches    0;  Conservative   18;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTTTT 2181
              ::: :  ::::::  ::::::::
Db          1 UUUUUAAUUUUUUAAUUUUUUU 23


RESULT 1237
US-08-379-280-1/c
; Sequence 1, Application US/08379280
; Patent No. 5650279
;  GENERAL INFORMATION:
;    APPLICANT:  Nagpal, Sunil
;    APPLICANT:  Chandraratna, Roshantha A. S.
;    TITLE OF INVENTION:  GENE SEQUENCE INDUCED IN SKIN BY RETINOIDS
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson & Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/379,280
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Altman, Daniel E
;      REGISTRATION NUMBER:  34,115
;      REFERENCE/DOCKET NUMBER:  ALRGN.057A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
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US-08-379-280-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         25 AAAAAAAAAAAAAAA 11


RESULT 1238
US-09-159-496-2
; Sequence 2, Application US/09159496
; Patent No. 6399334
; GENERAL INFORMATION:
;  APPLICANT: Li, Wu-Bo
;  APPLICANT: Nisson, Paul
;  APPLICANT: Jessee, Joel
;  TITLE OF INVENTION: No. 6399334malized Nucleic Acid Libraries and Methods of Producti
;  FILE REFERENCE: 0942.4470001
;  CURRENT APPLICATION NUMBER: US/09/159,496
;  CURRENT FILING DATE: 1998-09-23
;  EARLIER APPLICATION NUMBER: 60/059,817
;  EARLIER FILING DATE: 1997-09-24
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of artificial sequence: synthetic oligonucleotide
US-09-159-496-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 25;
  Best Local Similarity   100.0%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db          1 AAAAAAAAAAAAAAA 15


RESULT 1239
US-07-885-970A-1/c
; Sequence 1, Application US/07885970A
; Patent No. 5495070
; GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  GENETICALLY ENGINEERING COTTON
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  P.O. Box 2113, First Wisconsin Plaza
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Microsoft Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/885,970A
;      FILING DATE:  19920518
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/617,239
;      FILING DATE:  21-NOV-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/253,243
;      FILING DATE:  04-OCT-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 283-2478
;      TELEFAX:  (608) 251-5139
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Oligonucleotide
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
US-07-885-970A-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         26 AAAAAAAAAAAAAAA 12


RESULT 1240
US-08-298-687A-1/c
; Sequence 1, Application US/08298687A
; Patent No. 5521078
; GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  GENETICALLY ENGINEERING COTTON
;    TITLE OF INVENTION:  PLANTS FOR ALTERED FIBER
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  P.O. Box 2113, First Wisconsin Plaza
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Microsoft Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/298,687A
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/617,239
;      FILING DATE:  21-NOV-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/253,243
;      FILING DATE:  04-OCT-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 283-2478
;      TELEFAX:  (608) 251-5139
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Oligonucleotide
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  NO
```

```
US-08-298-687A-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         26 AAAAAAAAAAAAAAA 12


RESULT 1241
US-08-241-943-1/c
; Sequence 1, Application US/08241943
; Patent No. 5602321
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  TRANSGENIC COTTON PLANTS
;    TITLE OF INVENTION:  PRODUCING HETEROLOGOUS BIOPLASTIC
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  First Wisconsin Plaza, One South
;      STREET:  Pinckney St.,
;      STREET:  P.O. Box 2113
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53701-2113
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/241,943
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  us/07/980,521
;      FILING DATE:  20-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;      REFERENCE/DOCKET NUMBER:  11-229-9076-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 251-2484
;      TELEFAX:  (608) 251-9166
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  peptide
;    HYPOTHETICAL:  YES
US-08-241-943-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         26 AAAAAAAAAAAAAAA 12


RESULT 1242
US-08-378-588-1/c
; Sequence 1, Application US/08378588
; Patent No. 5608148
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  TRANSGENIC COTTON PLANTS
;    TITLE OF INVENTION:  PRODUCING HETEROLOGOUS PEROXIDASE
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  First Wisconsin Plaza, One South
;      STREET:  Pinckney St.,
;      STREET:  P.O. Box 2113
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53701-2113
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/378,588
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;      REFERENCE/DOCKET NUMBER:  11-229-9101-2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 251-2484
;      TELEFAX:  (608) 251-9166
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
;    HYPOTHETICAL:  YES
US-08-378-588-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         26 AAAAAAAAAAAAAAA 12


RESULT 1243
US-08-298-829-1/c
; Sequence 1, Application US/08298829
; Patent No. 5620882
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  GENETICALLY ENGINEERING COTTON
;    TITLE OF INVENTION:  PLANTS FOR ALTERED FIBER
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  P.O. Box 2113, First Wisconsin Plaza
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Microsoft Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/298,829
;      FILING DATE:  19-OCT-1994
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
```

```
;       APPLICATION NUMBER:  US 07/885,970
;       FILING DATE:  18-MAY-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/617,239
;       FILING DATE:  21-NOV-1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/253,243
;       FILING DATE:  04-OCT-1988
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Seay, Nicholas J.
;       REGISTRATION NUMBER:  27,386
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (608) 283-2478
;       TELEFAX:  (608) 251-5139
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  26 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Oligonucleotide
;     HYPOTHETICAL:  YES
;     ANTI-SENSE:  NO
US-08-298-829-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         26 AAAAAAAAAAAAAAA 12


RESULT 1244
US-08-811-094-1/c
; Sequence 1, Application US/08811094
; Patent No. 5869720
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  TRANSGENIC COTTON PLANTS
;    TITLE OF INVENTION:  PRODUCING HETEROLOGOUS PEROXIDASE
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  First Wisconsin Plaza, One South
;      STREET:  Pinckney St.,
;      STREET:  P.O. Box 2113
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53701-2113
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/811,094
;      FILING DATE:  03-MAR-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/378,588
;      FILING DATE:  25-JAN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;      REFERENCE/DOCKET NUMBER:  11-229-9101-2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 251-2484
;      TELEFAX:  (608) 251-9166
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
;    HYPOTHETICAL:  YES
US-08-811-094-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         26 AAAAAAAAAAAAAAA 12


RESULT 1245
US-08-467-504-10/c
; Sequence 10, Application US/08467504
; Patent No. 6211430
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  FbLATE PROMOTER
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Quarles & Brady
;      STREET:  411 East Wisconsin Avenue
;      CITY:  Milwaukee
;      STATE:  WI
;      COUNTRY:  U.S.A.
;      ZIP:  53202-4497
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/467,504
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Baker, Jean C.
;      REGISTRATION NUMBER:  35,433
;      REFERENCE/DOCKET NUMBER:  110229.91152
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (414) 277-5709
;      TELEFAX:  (414) 271-3552
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other Nucleic Acid
US-08-467-504-10

  Query Match             0.5%;  Score 15;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         26 AAAAAAAAAAAAAAA 12


RESULT 1246
PCT-US94-11121-1/c
; Sequence 1, Application PC/TUS9411121
;  GENERAL INFORMATION:
;    APPLICANT:  John, Maliyakal E.
;    TITLE OF INVENTION:  TRANSGENIC COTTON PLANTS
;    TITLE OF INVENTION:  PRODUCING HETEROLOGOUS PEROXIDASE
```

```
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nicholas J. Seay, Quarles & Brady
;      STREET:  First Wisconsin Plaza, One South
;      STREET:  Pinckney St.,
;      STREET:  P.O. Box 2113
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53701-2113
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/11121
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Seay, Nicholas J.
;      REGISTRATION NUMBER:  27,386
;      REFERENCE/DOCKET NUMBER:  11-229-9076-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 251-2484
;      TELEFAX:  (608) 251-9166
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  26 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
;    HYPOTHETICAL:  YES
PCT-US94-11121-1

  Query Match             0.5%;  Score 15;  DB 1;  Length 26;
  Best Local Similarity   100.0%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         26 AAAAAAAAAAAAAAA 12


RESULT 1247
US-08-296-793-2/c
; Sequence 2, Application US/08296793
; Patent No. 5580731
;  GENERAL INFORMATION:
;    APPLICANT:  CHANG, CHU-AN
;    APPLICANT:  URDEA, MICHAEL S.
;    APPLICANT:  HORN, THOMAS
;    TITLE OF INVENTION:  NOVEL N-4 MODIFIED PYRIMIDINE
;    TITLE OF INVENTION:  DEOXYNUCLEOTIDES AND OLIGONUCLEOTIDE PROBES SYNTHESIZED
;    TITLE OF INVENTION:  THEREWITH
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CHIRON CORPORATION
;      STREET:  4560 Horton Street
;      CITY:  Emeryville
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  94608
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/296,793
;      FILING DATE:  25-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GOLDMAN, KENNETH M.
;      REGISTRATION NUMBER:  34,174
;      REFERENCE/DOCKET NUMBER:  0409.001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 601-2719
;      TELEFAX:  (510) 655-3542
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  11..15
;      OTHER INFORMATION:  /product= "N represents compound 5
;      OTHER INFORMATION:  or compound 15"
US-08-296-793-2

  Query Match             0.5%;  Score 15;  DB 1;  Length 30;
  Best Local Similarity   100.0%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||||||||||||
Db         30 AAAAAAAAAAAAAAA 16


RESULT 1248
US-07-874-334-14/c
; Sequence 14, Application US/07874334
; Patent No. 5495009
;  GENERAL INFORMATION:
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, BOB
;    APPLICANT:  LIN, KUEI-YING
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE ANALOGS CONTAINING
;    TITLE OF INVENTION:  THIOFORMACETAL LINKAGES
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/874,334
;      FILING DATE:  19920424
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MURASHIGE, KATE H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  24610-20005.24
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 813-5600
;      TELEFAX:  (415) 494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-07-874-334-14
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  Query Match             0.5%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTTT 2173
              ||||| ||||||| ||||
Db         18 TTTTTCCTCCTTTCTTTT 1


RESULT 1249
US-09-205-860-10/c
; Sequence 10, Application US/09205860
; Patent No. 5981732
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-13 EXPRESSION
;  FILE REFERENCE: RTS-0031
;  CURRENT APPLICATION NUMBER: US/09/205,860
;  CURRENT FILING DATE: 1998-12-04
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 10
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-860-10

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         50 CGCGGCGGGGGCGGCGGC 67
              || ||||| |||||||||
Db         18 CGAGGCGGCGGCGGCGGC 1


RESULT 1250
US-09-205-995-25/c
; Sequence 25, Application US/09205995
; Patent No. 6368855
; GENERAL INFORMATION:
;  APPLICANT:  Xu, Minzhen
;  APPLICANT:  Qiu, Gang
;  APPLICANT:  Humphreys, Robert
;  TITLE OF INVENTION:  CANCER CELL VACCINE
;  FILE REFERENCE:  U.S. Application 09/205,995, (CIP)
;  CURRENT APPLICATION NUMBER: US/09/205,995
;  CURRENT FILING DATE:  1998-12-04
;  PRIOR APPLICATION NUMBER:  09/036,746
;  PRIOR FILING DATE:  1998-03-09
;  PRIOR APPLICATION NUMBER:  08/661,627
;  PRIOR FILING DATE:  1996-06-11
;  NUMBER OF SEQ ID NOS:  79
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 25
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: antisense
;   OTHER INFORMATION: oligonucleotide corresponding to a specific region
;   OTHER INFORMATION: of the mouse Ii gene.
US-09-205-995-25

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2565 GCTCTGTTCTTGGCTTGG 2582
              |||||| |||||||| ||
Db         18 GCTCTGCTCTTGGCTGGG 1


RESULT 1251
US-09-167-109-8/c
; Sequence 8, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda F.
;  APPLICANT: Cowsert, Lex M.
;  APPLICANT: Monia, Brett P.
;  APPLICANT: Xu, Xiaoxing S.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
;  FILE REFERENCE: ISPH-0321
;  CURRENT APPLICATION NUMBER: US/09/167,109
;  CURRENT FILING DATE: 1998-10-06
;  NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 8
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-167-109-8

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        464 CAGCAGGCCTGGCCCGGC 481
              |||||| ||| |||||||
Db         18 CAGCAGTCCTCGCCCGGC 1


RESULT 1252
US-08-275-951-32
; Sequence 32, Application US/08275951
; Patent No. 6451968
; GENERAL INFORMATION:
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Kiely, John
;  APPLICANT:  Griffin, Michael
;  APPLICANT:  Coull, James M.
;  APPLICANT:  Neilsen, Peter
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Dueholm, Kim L.
;  APPLICANT:  Christensen, Leif
;  TITLE OF INVENTION:  Linked Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1577
;  CURRENT APPLICATION NUMBER: US/08/275,951
;  CURRENT FILING DATE:  1994-07-15
;  PRIOR APPLICATION NUMBER:  08/108,591
;  PRIOR FILING DATE:  1993-11-22
;  PRIOR APPLICATION NUMBER:  08/088,658
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/088,661
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-22
;  PRIOR APPLICATION NUMBER:  986/91
;  PRIOR FILING DATE:  1991-05-22
;  PRIOR APPLICATION NUMBER:  987/91
;  PRIOR FILING DATE:  1991-05-24
;  PRIOR APPLICATION NUMBER:  510/92
;  PRIOR FILING DATE:  1991-04-15
;  NUMBER OF SEQ ID NOS:  65
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 32
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(10)
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;   OTHER INFORMATION: Lysine, Amino Hexanoic Acid, Lysine, Amino
;   OTHER INFORMATION: Hexanoic Acid, Lysine Linkage
US-08-275-951-32

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2183
              |||| |||||||| ||||
Db          1 TTTTGTTTTTTTCTTTT 18


RESULT 1253
US-08-275-951-32/c
; Sequence 32, Application US/08275951
; Patent No. 6451968
; GENERAL INFORMATION:
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Kiely, John
;  APPLICANT:  Griffin, Michael
;  APPLICANT:  Coull, James M.
;  APPLICANT:  Neilsen, Peter
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Dueholm, Kim L.
;  APPLICANT:  Christensen, Leif
;  TITLE OF INVENTION:  Linked Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1577
;  CURRENT APPLICATION NUMBER: US/08/275,951
;  CURRENT FILING DATE:  1994-07-15
;  PRIOR APPLICATION NUMBER:  08/108,591
;  PRIOR FILING DATE:  1993-11-22
;  PRIOR APPLICATION NUMBER:  08/088,658
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/088,661
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-22
;  PRIOR APPLICATION NUMBER:  986/91
;  PRIOR FILING DATE:  1991-05-22
;  PRIOR APPLICATION NUMBER:  987/91
;  PRIOR FILING DATE:  1991-05-24
;  PRIOR APPLICATION NUMBER:  510/92
;  PRIOR FILING DATE:  1991-04-15
;  NUMBER OF SEQ ID NOS:  65
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 32
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(10)
;   OTHER INFORMATION: Lysine, Amino Hexanoic Acid, Lysine, Amino
;   OTHER INFORMATION: Hexanoic Acid, Lysine Linkage
US-08-275-951-32

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              |||| |||||||| ||||
Db         18 AAAAGAAAAAAAACAAAA 1


RESULT 1254
US-08-275-951-33
; Sequence 33, Application US/08275951
; Patent No. 6451968
; GENERAL INFORMATION:
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Kiely, John
;  APPLICANT:  Griffin, Michael
;  APPLICANT:  Coull, James M.
;  APPLICANT:  Neilsen, Peter
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Dueholm, Kim L.
;  APPLICANT:  Christensen, Leif
;  TITLE OF INVENTION:  Linked Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1577
;  CURRENT APPLICATION NUMBER: US/08/275,951
;  CURRENT FILING DATE:  1994-07-15
;  PRIOR APPLICATION NUMBER:  08/108,591
;  PRIOR FILING DATE:  1993-11-22
;  PRIOR APPLICATION NUMBER:  08/088,658
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/088,661
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-22
;  PRIOR APPLICATION NUMBER:  986/91
;  PRIOR FILING DATE:  1991-05-22
;  PRIOR APPLICATION NUMBER:  987/91
;  PRIOR FILING DATE:  1991-05-24
;  PRIOR APPLICATION NUMBER:  510/92
;  PRIOR FILING DATE:  1991-04-15
;  NUMBER OF SEQ ID NOS:  65
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(10)
;   OTHER INFORMATION: Lysine, Amino Hexanoic Acid, Lysine, Amino
;   OTHER INFORMATION: Hexanoic Acid, Lysine Linkage
US-08-275-951-33

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2183
              |||| |||||||| ||||
Db          1 TTTTCTTTTTTTCTTTT 18


RESULT 1255
US-08-275-951-33/c
; Sequence 33, Application US/08275951
; Patent No. 6451968
; GENERAL INFORMATION:
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Kiely, John
;  APPLICANT:  Griffin, Michael
;  APPLICANT:  Coull, James M.
;  APPLICANT:  Neilsen, Peter
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Dueholm, Kim L.
;  APPLICANT:  Christensen, Leif
;  TITLE OF INVENTION:  Linked Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1577
;  CURRENT APPLICATION NUMBER: US/08/275,951
;  CURRENT FILING DATE:  1994-07-15
;  PRIOR APPLICATION NUMBER:  08/108,591
;  PRIOR FILING DATE:  1993-11-22
;  PRIOR APPLICATION NUMBER:  08/088,658
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/088,661
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-22
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```
;  PRIOR APPLICATION NUMBER:  986/91
;  PRIOR FILING DATE:  1991-05-22
;  PRIOR APPLICATION NUMBER:  987/91
;  PRIOR FILING DATE:  1991-05-24
;  PRIOR APPLICATION NUMBER:  510/92
;  PRIOR FILING DATE:  1991-04-15
;  NUMBER OF SEQ ID NOS:  65
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 33
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (9)..(10)
;   OTHER INFORMATION: Lysine, Amino Hexanoic Acid, Lysine, Amino
;   OTHER INFORMATION: Hexanoic Acid, Lysine Linkage
US-08-275-951-33

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 18;
  Best Local Similarity   88.9%;  Pred. No. 1.2e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              |||| |||||||| ||||
Db         18 AAAAGAAAAAAAAGAAAA 1


RESULT 1256
US-09-109-663-35/c
; Sequence 35, Application US/09109663
; Patent No. 6277981
; GENERAL INFORMATION:
;  APPLICANT: Tu, Guang-Chou
;  APPLICANT: Israel, Yedy
;  TITLE OF INVENTION: AN IMPROVED METHOD FOR DESIGN AND SELECTION OF
;  TITLE OF INVENTION: EFFICACIOUS ANTISENSE OLIGONUCLEOTIDES
;  FILE REFERENCE: 9855-3U1
;  CURRENT APPLICATION NUMBER: US/09/109,663
;  CURRENT FILING DATE: 1998-07-03
;  EARLIER APPLICATION NUMBER: 60/051,705
;  EARLIER FILING DATE: 1997-07-03
;  NUMBER OF SEQ ID NOS: 81
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Known
;   OTHER INFORMATION: Effective ASO
US-09-109-663-35

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 19;
  Best Local Similarity   88.9%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        487 GAGCCAGGAGGGAGCGGG 504
              |||||||| |||||| ||
Db         18 GAGCCAGGGGGGAGCAGG 1


RESULT 1257
US-08-860-038-6
; Sequence 6, Application US/08860038
; Patent No. 6287762
;  GENERAL INFORMATION:
;    APPLICANT:  CROUZET, Joel
;    APPLICANT:  SCHERMAN, Daniel
;    APPLICANT:  WILS, Pierre
;    TITLE OF INVENTION:  PURIFICATION OF A TRIPLE HELIX FORMATION
;    TITLE OF INVENTION:  WITH AN IMMOBILIZED OLIGONUCLEOTIDE
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rhone-Poulenc Rorer Inc.
;      STREET:  500 Arcola Road, Mailstop 3C43
;      CITY:  Collegeville
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19426
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/860,038
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 94/15162
;      FILING DATE:  16-DEC-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO FR95/01468
;      FILING DATE:  08-NOV-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Savitzky Esq., Martin F.
;      REGISTRATION NUMBER:  29,699
;      REFERENCE/DOCKET NUMBER:  ST94090-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (610) 454-3816
;      TELEFAX:  (610) 454-3808
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "Oligonucleotide"
US-08-860-038-6

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 19;
  Best Local Similarity   88.9%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1540 AGGAGAGTAGGGAAGGAA 1557
              ||||||| ||||| ||||
Db          2 AGGAGAGGAGGGAGGGAA 19


RESULT 1258
US-08-945-140-3/c
; Sequence 3, Application US/08945140
; Patent No. 6309878
;  GENERAL INFORMATION:
;    APPLICANT:  CHEN, Ruihuan
;    APPLICANT:  DOIRON, Bruno
;    APPLICANT:  KAHN, Axel
;    TITLE OF INVENTION:  GLUCOSE-INDUCIBLE RECOMBINANT VIRAL
;    TITLE OF INVENTION:  VECTOR
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rhone-Poulenc Rorer Inc.
;      STREET:  500 Arcola Road, Mailstop 3C43
;      CITY:  Collegeville
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19426
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
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;       APPLICATION NUMBER:  US/08/945,140
;       FILING DATE:
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  FR 95/04558
;       FILING DATE:  14-APR-1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  WO PCT/FR96/00560
;       FILING DATE:  12-APR-1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Savitzky Esq., Martin F.
;       REGISTRATION NUMBER:  29,699
;       REFERENCE/DOCKET NUMBER:  EX95002-US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (610) 454-3816
;       TELEFAX:  (610) 454-3808
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  /desc = "Oligonucleotide"
US-08-945-140-3

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 19;
  Best Local Similarity   88.9%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1455 CTGGAGACCAGAGTCCAG 1472
                ||||  | ||||||||||||
Db         18 CTGGGGGCCAGAGTCCAG 1


RESULT 1259
US-09-580-923-6
; Sequence 6, Application US/09580923
; Patent No. 6319672
; GENERAL INFORMATION:
;  APPLICANT:  Crouzet, Joel
;  APPLICANT:  Scherman, Daniel
;  APPLICANT:  Wils, Pierre
;  APPLICANT:  Cameron, Beatrice
;  APPLICANT:  Blanche, Francis
;  TITLE OF INVENTION:  PURIFICATION OF A TRIPLE HELIX FORMATION WITH AN
;  TITLE OF INVENTION:  IMMOBILIZED OLIGONUCLEOTIDE
;  FILE REFERENCE:  03804.0138-01
;  CURRENT APPLICATION NUMBER: US/09/580,923
;  CURRENT FILING DATE:  2000-05-26
;  PRIOR APPLICATION NUMBER:  08/860,038
;  PRIOR FILING DATE:  1997-06-09
;  PRIOR APPLICATION NUMBER:  PCT/FR95/01468
;  PRIOR FILING DATE:  1995-11-08
;  NUMBER OF SEQ ID NOS:  36
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
US-09-580-923-6

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 19;
  Best Local Similarity   88.9%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1540 AGGAGAGTAGGGAAGGAA 1557
                ||||||| ||||| ||||
Db          2 AGGAGAGGAGGGAGGGAA 19


RESULT 1260
US-09-649-747A-75
; Sequence 75, Application US/09649747A
; Patent No. 6521435
; GENERAL INFORMATION:
;  APPLICANT: Okubara, Patricia A.
;  APPLICANT:  Blechl, Ann E.
;  APPLICANT:  Hohn, Thomas M.
;  APPLICANT:  Berka, Randy M.
;  TITLE OF INVENTION: Nucleic Acid Sequences Encoding Cell Wall-Degrading
;  TITLE OF INVENTION:  Enzymes and Use to Engineer Resistance to Fusarium and
;  TITLE OF INVENTION:  Other Pathogens
;  FILE REFERENCE: 0079.99R
;  CURRENT APPLICATION NUMBER: US/09/649,747A
;  CURRENT FILING DATE:  2000-08-28
;  PRIOR APPLICATION NUMBER: 60/151,582
;  PRIOR FILING DATE: 1999-08-30
;  PRIOR APPLICATION NUMBER: 60/224,946
;  PRIOR FILING DATE: 2000-08-11
;  NUMBER OF SEQ ID NOS: 82
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 75
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: RT-PCR Primer
US-09-649-747A-75

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 19;
  Best Local Similarity   88.9%;  Pred. No. 1.4e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        849 CTGGAAGATTGTCGCTCC 866
                ||||||| ||||||| ||
Db          1 CTGGAAGTTTGTCGCACC 18


RESULT 1261
US-09-893-191B-18
; Sequence 18, Application US/09893191B
; Patent No. 6686156
; GENERAL INFORMATION:
;  APPLICANT: Kurn, Nurith
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
;  TITLE OF INVENTION:  TRANSCRIPTION-BASED NUCLEIC ACID AMPLIFICATION
;  FILE REFERENCE: 492692000600
;  CURRENT APPLICATION NUMBER: US/09/893,191B
;  CURRENT FILING DATE:  2001-06-26
;  PRIOR APPLICATION NUMBER: 60/213,908
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 60/277,748
;  PRIOR FILING DATE: 2001-03-21
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer: Chimeric RNA/DNA Primer.
US-09-893-191B-18

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 1.4e+03;
  Matches   15;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         11 GCCGATGCGTGTCCAGTG 28
                | ||||||| ||||||| |
Db          1 GACGATGCGUCTCCAGTG 18
```

```
RESULT 1262
US-08-108-591B-5
; Sequence 5, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-5

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
                || || ||||||||||||
Db          1 AAGAAGAAAAAAAAAAAA 18


RESULT 1263
US-09-344-914-86/c
; Sequence 86, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 86
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-86

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1503 AGAAACACAGGAAATAAA 1520
                |||||| | ||||||||
Db         20 AGAAACAAATGAAATAAA 3


RESULT 1264
US-07-874-334-13/c
; Sequence 13, Application US/07874334
; Patent No. 5495009
;  GENERAL INFORMATION:
;     APPLICANT:  MATTEUCCI, MARK
;     APPLICANT:  JONES, BOB
;     APPLICANT:  LIN, KUEI-YING
;     TITLE OF INVENTION:  OLIGONUCLEOTIDE ANALOGS CONTAINING
;     TITLE OF INVENTION:  THIOFORMACETAL LINKAGES
;     NUMBER OF SEQUENCES:  18
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  MORRISON & FOERSTER
;       STREET:  755 Page Mill Road
;       CITY:  Palo Alto
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94304-1018
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/874,334
;       FILING DATE:  19920424
;       CLASSIFICATION:  536
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  MURASHIGE, KATE H.
;       REGISTRATION NUMBER:  29,959
;       REFERENCE/DOCKET NUMBER:  24610-20005.24
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 813-5600
;       TELEFAX:  (415) 494-0792
;       TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  13:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-07-874-334-13

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTTT 2173
                |||||  |||||||  ||||
Db         19 TTTTTCCTCCTTTCTTTT 2


RESULT 1265
US-07-929-204-3
; Sequence 3, Application US/07929204
; Patent No. 5543509
;  GENERAL INFORMATION:
;     APPLICANT:  Klotman, Paul
;     APPLICANT:  Bruggeman, Leslie
;     APPLICANT:  Horikoshi, Satoshi
;     TITLE OF INVENTION:  METHOD FOR QUANTIFYING LAMININ AND
;     TITLE OF INVENTION:  BETA-ACTIN MESSENGER RNA
;     NUMBER OF SEQUENCES:  9
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Foley & Lardner
;       STREET:  3000 K Street, N.W., Suite 500
;       CITY:  Washington
;       STATE:  D.C.
;       COUNTRY:  USA
;       ZIP:  20007-5109
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/929,204
;       FILING DATE:  14-AUG-1992
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Bent, Stephen A.
;       REGISTRATION NUMBER:  29,768
;       REFERENCE/DOCKET NUMBER:  40399/161/NIHD
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202)672-5300
;       TELEFAX:  (202)672-5399
```

```
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-07-929-204-3

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1113 ACTTTGCCTATGTCTGTG 1130
              |||| ||||||| |||||
Db          3 ACTTCGCCTATGACTGTG 20


RESULT 1266
US-08-182-172-5
; Sequence 5, Application US/08182172
; Patent No. 5714318
; GENERAL INFORMATION:
;    APPLICANT:  Sagner, Gregor
;    APPLICANT:  Kessler, Christoph
;    APPLICANT:  Blum, Helmut
;    APPLICANT:  Domdey, Horst
;    TITLE OF INVENTION:  SIMULTANEOUS SEQUENCING OF NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nikaido, Marmelstein, Murray & Oram
;      STREET:  655 Fifteenth Street N.W. Suite 330
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-5701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/182,172
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murray, Robert B.
;      REGISTRATION NUMBER:  22,980
;      REFERENCE/DOCKET NUMBER:  P564-4006
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)638-5000
;      TELEFAX:  (202)638-4810
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-182-172-5

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2530 TATATACAGGGTATTAAG 2547
              |||||| ||||||||| |
Db          1 TATATATAGGGTATTAGG 18


RESULT 1267
US-08-440-787A-163/c
; Sequence 163, Application US/08440787A
; Patent No. 5770434
; GENERAL INFORMATION:
;    APPLICANT:  Huse, William D.
;    TITLE OF INVENTION:  Soluble Peptides Having Constrained,
;    TITLE OF INVENTION:  Secondary Conformation in Solution and Method of Making
;    TITLE OF INVENTION:  Same.
;    NUMBER OF SEQUENCES:  174
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/440,787A
;      FILING DATE:  15-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/978,893
;      FILING DATE:  10-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-IX 1586
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  163:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-440-787A-163

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        108 TTGGGGGCTGGGGGGATCCT 127
              |:||| ||| || |||||||
Db         20 TKGGGAGCTCGGCGGATCCT 1


RESULT 1268
US-09-344-914-84/c
; Sequence 84, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 84
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-84

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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```
Qy       1503 AGAAACACAGGAAATAAA 1520
              |||||||  | ||||||||
Db         18 AGAAACAAATGAAATAAA 1

RESULT 1269
US-09-344-914-85
; Sequence 85, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 85
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-85

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2266 ATTTATTTCAGATGTTTC 2283
              ||||||||||  ||||||
Db          1 ATTTATTTCATTTGTTTC 18

RESULT 1270
US-09-344-914-85/c
; Sequence 85, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 85
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-85

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1503 AGAAACACAGGAAATAAA 1520
              |||||||  | ||||||||
Db         19 AGAAACAAATGAAATAAA 2

RESULT 1271
US-08-817-384A-2
; Sequence 2, Application US/08817384A
; Patent No. 6235468
;  GENERAL INFORMATION:
;    APPLICANT:  Duncan Martin BAIRD
;    APPLICANT:  Alec John JEFFREYS
;    APPLICANT:  Nicola Jane ROYLE
;    TITLE OF INVENTION:  Method For Characterising Variability in
;    TITLE OF INVENTION:  Telomere DNA by PCR
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PILLSBURY MADISON & SUTRO, L.L.P.
;      STREET:  1100 New York Avenue, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-3918
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Microsoft Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/817,384A
;      FILING DATE:  16-APR-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/GB95/02467
;      FILING DATE:  19-OCT-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9510639.9
;      FILING DATE:  25-MAY-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9421234.7
;      FILING DATE:  21-OCT-1994
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-817-384A-2

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1800 CTCTGAAAGTGGTGCTAT 1817
              ||||||||||||  ||||
Db          3 CTCTGAAAGTGGACCTAT 20

RESULT 1272
US-09-560-594-56
; Sequence 56, Application US/09560594
; Patent No. 6242590
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ZINC FINGER PROTEIN-217 EXPRESSION
;  FILE REFERENCE: RTS-0144
;  CURRENT APPLICATION NUMBER: US/09/560,594
;  CURRENT FILING DATE: 2000-04-28
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 56
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-560-594-56

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2115 TGGTTTTAGGAAACTTGT 2132
              ||||||||||||||  | |
Db          1 TGGTTTTAGGAAACATCT 18

RESULT 1273
US-09-484-617-58
; Sequence 58, Application US/09484617
```

```
; Patent No. 6303374
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 3 EXPRESSION
;  FILE REFERENCE: RTS-0103
;  CURRENT APPLICATION NUMBER: US/09/484,617
;  CURRENT FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 58
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-09-484-617-58

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2394 ATTTATGCGTAATTTAAT 2411
              |||||| | |||||||||
Db          1 ATTTATTCCTAATTTAAT 18


RESULT 1274
US-09-721-822A-78
; Sequence 78, Application US/09721822A
; Patent No. 6306606
; GENERAL INFORMATION:
;  APPLICANT: Michael J. Weber
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MP-1 EXPRESSION
;  FILE REFERENCE: RTS-0142
;  CURRENT APPLICATION NUMBER: US/09/721,822A
;  CURRENT FILING DATE:  2000-11-22
;  NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 78
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-09-721-822A-78

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2379 GAGTGTACAGATTTTATT 2396
              || ||||| |||||||||
Db          1 GATTGTACTGATTTTATT 18


RESULT 1275
US-09-564-805-158/c
; Sequence 158, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
;  APPLICANT:  Tavtigian, Sean V.
;  APPLICANT:  Teng, David H.F.
;  APPLICANT:  Simard, Jacques
;  APPLICANT:  Rommens, Johanna M.
;  APPLICANT:  Myriad Genetics, Inc.
;  TITLE OF INVENTION:  Chromosome 17p-Linked Prostate Cancer Susceptibility
;  TITLE OF INVENTION:  Gene and a Paralog and Orthologous Genes
;  FILE REFERENCE:  2318-258
;  CURRENT APPLICATION NUMBER: US/09/564,805
;  CURRENT FILING DATE:  2000-05-05
;  PRIOR APPLICATION NUMBER:  US 60/107,468
;  PRIOR FILING DATE:  1998-11-06
;  PRIOR APPLICATION NUMBER:  09/434,382
;  PRIOR FILING DATE:  1999-11-05
;  NUMBER OF SEQ ID NOS:  240
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 158
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-09-564-805-158

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        894 CAGTGGCTGAAGTACAGA 911
              || |||||||||  |||||
Db         19 CATTGGCTGAAGGACAGA 2


RESULT 1276
US-09-564-805-162/c
; Sequence 162, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
;  APPLICANT:  Tavtigian, Sean V.
;  APPLICANT:  Teng, David H.F.
;  APPLICANT:  Simard, Jacques
;  APPLICANT:  Rommens, Johanna M.
;  APPLICANT:  Myriad Genetics, Inc.
;  TITLE OF INVENTION:  Chromosome 17p-Linked Prostate Cancer Susceptibility
;  TITLE OF INVENTION:  Gene and a Paralog and Orthologous Genes
;  FILE REFERENCE:  2318-258
;  CURRENT APPLICATION NUMBER: US/09/564,805
;  CURRENT FILING DATE:  2000-05-05
;  PRIOR APPLICATION NUMBER:  US 60/107,468
;  PRIOR FILING DATE:  1998-11-06
;  PRIOR APPLICATION NUMBER:  09/434,382
;  PRIOR FILING DATE:  1999-11-05
;  NUMBER OF SEQ ID NOS:  240
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 162
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-09-564-805-162

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        894 CAGTGGCTGAAGTACAGA 911
              || |||||||||  |||||
Db         19 CATTGGCTGAAGGACAGA 2


RESULT 1277
US-09-506-073-80
; Sequence 80, Application US/09506073
; Patent No. 6410518
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P.
;  TITLE OF INVENTION: Antisense Oligonucleotide Modulation of raf Gene Expression
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/09/506,073
;  CURRENT FILING DATE: 2000-02-18
;  EARLIER APPLICATION NUMBER: US 09/143,214
;  EARLIER FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: PCT/US98/13961
;  EARLIER FILING DATE: 1998-07-06
;  EARLIER APPLICATION NUMBER: US 08/888,982
;  EARLIER FILING DATE: 1997-07-07
;  EARLIER APPLICATION NUMBER: US 08/756,806
;  EARLIER FILING DATE: 1996-11-26
```

; EARLIER APPLICATION NUMBER: PCT/US95/07111
; EARLIER FILING DATE: 1995-05-31
; EARLIER APPLICATION NUMBER: US 08/250,856
; EARLIER FILING DATE: 1994-05-31
; NUMBER OF SEQ ID NOS: 130
; SEQ ID NO 80
; LENGTH: 20
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-506-073-80

Query Match 0.5%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.6e+03;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 505 GCTGCCCTCGCACCACGG 522
||||||||| |||||| |
Db 3 GCTGCCCTCACACCACTG 20

RESULT 1278
US-09-463-067-3/c
; Sequence 3, Application US/09463067
; Patent No. 6451595
; GENERAL INFORMATION:
; APPLICANT: VIROMED Limited
; TITLE OF INVENTION: High efficiency retroviral vectors that contain none of viral cod
; TITLE OF INVENTION: sequences
; FILE REFERENCE: 9fpo-05-10
; CURRENT APPLICATION NUMBER: US/09/463,067
; CURRENT FILING DATE: 2000-01-14
; PRIOR APPLICATION NUMBER: KR 98-24478
; PRIOR FILING DATE: 1998-06-26
; PRIOR APPLICATION NUMBER: KR 99-23398
; PRIOR FILING DATE: 1999-06-22
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: KOPATIN 1.0
; SEQ ID NO 3
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CATATGN primer
US-09-463-067-3

Query Match 0.5%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.6e+03;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2150 ATTGATTTTTTTCTCCTT 2167
| |||||||||||||| |
Db 20 AGTGATTTTTTTCTCCAT 3

RESULT 1279
US-08-275-951-48
; Sequence 48, Application US/08275951
; Patent No. 6451968
; GENERAL INFORMATION:
; APPLICANT: Egholm, Michael
; APPLICANT: Kiely, John
; APPLICANT: Griffin, Michael
; APPLICANT: Coull, James M.
; APPLICANT: Neilsen, Peter
; APPLICANT: Buchardt, Ole
; APPLICANT: Dueholm, Kim L.
; APPLICANT: Christensen, Leif
; TITLE OF INVENTION: Linked Peptide Nucleic Acids
; FILE REFERENCE: ISIS1577
; CURRENT APPLICATION NUMBER: US/08/275,951
; CURRENT FILING DATE: 1994-07-15
; PRIOR APPLICATION NUMBER: 08/108,591
; PRIOR FILING DATE: 1993-11-22
; PRIOR APPLICATION NUMBER: 08/088,658
; PRIOR FILING DATE: 1993-07-02
; PRIOR APPLICATION NUMBER: 08/088,661
; PRIOR FILING DATE: 1993-07-02
; PRIOR APPLICATION NUMBER: PCT/EP92/01219
; PRIOR FILING DATE: 1992-05-22
; PRIOR APPLICATION NUMBER: 986/91
; PRIOR FILING DATE: 1991-05-22
; PRIOR APPLICATION NUMBER: 987/91
; PRIOR FILING DATE: 1991-05-24
; PRIOR APPLICATION NUMBER: 510/92
; PRIOR FILING DATE: 1991-04-15
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence
; NAME/KEY: misc_feature
; LOCATION: (3)
; OTHER INFORMATION: N is Pseudoisocytosine
; NAME/KEY: misc_feature
; LOCATION: (6)
; OTHER INFORMATION: N is Pseudoisocytosine
; NAME/KEY: misc_feature
; LOCATION: (10)..(11)
; OTHER INFORMATION: Ethylene Glycol, Ethylene Glycol, Ethylene Glycol
; OTHER INFORMATION: Linkage
US-08-275-951-48

Query Match 0.5%; Score 14.8; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 1.6e+03;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTTTTTT 2185
|| || |||||||| || ||
Db 1 TTNTTNTTTTTTTCTTCTT 20

RESULT 1280
US-09-898-361-120/c
; Sequence 120, Application US/09898361
; Patent No. 6503152
; GENERAL INFORMATION:
; APPLICANT: Susan Murray
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF TRANSFORMING GROWTH FACTOR BETA RECEPTOR
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: RTS-0158
; CURRENT APPLICATION NUMBER: US/09/898,361
; CURRENT FILING DATE: 2001-06-21
; NUMBER OF SEQ ID NOS: 163
; SEQ ID NO 120
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-898-361-120

Query Match 0.5%; Score 14.8; DB 1; Length 20;
Best Local Similarity 88.9%; Pred. No. 1.6e+03;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1175 CCTCATCTTGGAGGACGA 1192
| ||||| ||||||||||
Db 20 CATCATCCTGGAGGACGA 3

```
RESULT 1281
US-09-641-652-9/c
; Sequence 9, Application US/09641652
; Patent No. 6514733
; GENERAL INFORMATION:
;  APPLICANT:  Mark Emptage
;  APPLICANT:  Sharon Haynie
;  APPLICANT:  Lisa Laffend
;  APPLICANT:  Jeff Pucci
;  APPLICANT:  Greg Whited
;  TITLE OF INVENTION:  Improved Process for the Biological Production of 1,3-Propanedic
;  TITLE OF INVENTION:  with High Titer
;  FILE REFERENCE:  BC1020 US NA
;  CURRENT APPLICATION NUMBER: US/09/641,652
;  CURRENT FILING DATE:  2000-08-18
;  PRIOR APPLICATION NUMBER:  60/149,534
;  PRIOR FILING DATE:  1999-08-08
;  NUMBER OF SEQ ID NOS:  68
;  SOFTWARE:  Microsoft Office 97
; SEQ ID NO 9
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:  primer
;    OTHER INFORMATION: primer
US-09-641-652-9

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2150 ATTGATTTTTTTCTCCTT 2167
              | ||||||||||||||| |
Db         18 AGTGATTTTTTTCTCCAT 1


RESULT 1282
US-09-495-714C-15/c
; Sequence 15, Application US/09495714C
; Patent No. 6670465
; GENERAL INFORMATION:
;  APPLICANT: University Technologies International Inc.
;  TITLE OF INVENTION: RETINAL CALCIUM CHANNEL (ALPHA) 1F-SUBUNIT GENE
;  FILE REFERENCE: 45499.4 (formerly 45074.6)
;  CURRENT APPLICATION NUMBER: US/09/495,714C
;  CURRENT FILING DATE:  2000-02-01
;  NUMBER OF SEQ ID NOS: 138
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 15
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Mus musculus
US-09-495-714C-15

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 20;
  Best Local Similarity   88.9%;  Pred. No. 1.6e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1790 TTCTTTCCTTCTCTGAAA 1807
              |||||||||||||| | ||
Db         18 TTCTTTCCTTCTCCGGAA 1


RESULT 1283
US-08-343-443B-109/c
; Sequence 109, Application US/08343443B
; Patent No. 5968734
;  GENERAL INFORMATION:
;    APPLICANT:  Aurias, Alain
;    APPLICANT:  Delattre, Olivier
;    APPLICANT:  Desmaze, Chantal
;    APPLICANT:  Melot, Thomas
;    APPLICANT:  Peter, Martine
;    APPLICANT:  Plougastel, Beatrice
;    APPLICANT:  Thomas, Gilles
;    APPLICANT:  Zucman, Jessica
;    TITLE OF INVENTION:  NUCLEIC ACID CORRESPONDING TO A GENE OF
;    TITLE OF INVENTION:  CHROMOSOME 22 INVOLVED IN RECURRENT CHROMOSOMAL
;    TITLE OF INVENTION:  TRANSLATIONS ASSOCIATED WITH THE DEVELOPMENT OF CANCEROUS
;    TITLE OF INVENTION:  TUMORS, AND NUCLEIC ACIDS OF FUSION RESULTING FROM SAID
;    TITLE OF INVENTION:  TRANSLOCATIONS
;    NUMBER OF SEQUENCES:  129
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Weiser & Associates
;      STREET:  230 South Fifteenth Street
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  AEDIT 1.0 DOS text editor
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/343,443B
;      FILING DATE:  18-NOV-1994
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/FR93/00494
;      FILING DATE:  19-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 92/06123
;      FILING DATE:  20-MAY-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Weiser, Gerard J.
;      REGISTRATION NUMBER:  19,763
;      REFERENCE/DOCKET NUMBER:  989.6121P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-875-8383
;      TELEFAX:  215-875-8394
;  INFORMATION FOR SEQ ID NO:  109:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..21
US-08-343-443B-109

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 21;
  Best Local Similarity   88.9%;  Pred. No. 1.8e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1282 CCATGGGACCAGCAGGCT 1299
              ||||||| ||| ||||||
Db         19 CCATGGGTCCACCAGGCT 2


RESULT 1284
5256775-1
;Patent No. 5256775
;    APPLICANT: FROEHLER, BRIAN C.
;    TITLE OF INVENTION: EXONUCLEASE-RESISTANT OLIGONUCLEOTIDES
;    NUMBER OF SEQUENCES: 4
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/555,522
;      FILING DATE: 05-JUN-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 361,045
;      FILING DATE: 05-JUN-1989
;SEQ ID NO:1:
;      LENGTH: 21
```

5256775-1

Query Match 0.5%; Score 14.8; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 1.8e+03;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       2150 ATTGATTTTTTTCTCCTT 2167
              | ||||||||||||||| |
Db          4 AGTGATTTTTTTCTCCAT 21
```

RESULT 1285
US-09-071-353-10
; Sequence 10, Application US/09071353
; Patent No. 6057426
; GENERAL INFORMATION:
; APPLICANT: Lesslauer, Werner
; APPLICANT: Utans-Schneitz, Ulrike
; TITLE OF INVENTION: NEW CHEMOKINE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: N.J.
; COUNTRY: U.S.A.
; ZIP: 07110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,353
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 97107135.2
; FILING DATE: 30-APR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Kreisler, Lewis J
; REGISTRATION NUMBER: 38522
; REFERENCE/DOCKET NUMBER: 13235
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (973) 235-4387
; TELEFAX: (973) 235-2363
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "primer"
US-09-071-353-10

Query Match 0.5%; Score 14.8; DB 1; Length 22;
Best Local Similarity 88.9%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy        611 CTGCTGCCCCACGCACAC 628
              |||||||| |||| ||||
Db          5 CTGCTGCCTCACGTACAC 22
```

RESULT 1286
US-09-426-326-10
; Sequence 10, Application US/09426326
; Patent No. 6537794
; GENERAL INFORMATION:
; APPLICANT: Lesslauer, Werner
; APPLICANT: Utans-Schneitz, Ulrike
; TITLE OF INVENTION: NEW CHEMOKINE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: N.J.
; COUNTRY: U.S.A.
; ZIP: 07110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/426,326
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/071,353
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Kreisler, Lewis J
; REGISTRATION NUMBER: 38522
; REFERENCE/DOCKET NUMBER: 13235
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (973) 235-4387
; TELEFAX: (973) 235-2363
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "primer"
US-09-426-326-10

Query Match 0.5%; Score 14.8; DB 1; Length 22;
Best Local Similarity 88.9%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy        611 CTGCTGCCCCACGCACAC 628
              |||||||| |||| ||||
Db          5 CTGCTGCCTCACGTACAC 22
```

RESULT 1287
US-09-688-990-19/c
; Sequence 19, Application US/09688990
; Patent No. 6682907
; GENERAL INFORMATION:
; APPLICANT: CHARNEAU, PIERRE
; APPLICANT: ZENNOU, VERONIQUE
; APPLICANT: FIRAT, HUSEYIN
; TITLE OF INVENTION: USE OF TRIPLEX STRUCTURE DNA SEQUENCES FOR TRANSFERRING
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 03495.0199
; CURRENT APPLICATION NUMBER: US/09/688,990
; CURRENT FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: PCT/FR99/00974
; PRIOR FILING DATE: 1999-04-23
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Lentivirus
US-09-688-990-19

Query Match 0.5%; Score 14.8; DB 1; Length 22;
Best Local Similarity 88.9%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       2164 CCTTTTTTTTTTTTTTTT 2181
              ||||| |||||| |||||
Db         18 CCTTTCTTTTTTCTTTTT 1


RESULT 1288
US-09-750-401-28/c
; Sequence 28, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 28
;   LENGTH: 27
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of CTCF
US-09-750-401-28

  Query Match             0.5%;  Score 14.8;  DB 1;  Length 27;
  Best Local Similarity   88.9%;  Pred. No. 2.7e+03;
  Matches   16;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              ||||||||| | ||||||
Db         24 GAAAAAAAAGAGAAAAAA 7


RESULT 1289
US-08-128-011-4
; Sequence 4, Application US/08128011
; Patent No. 5523389
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Wyatt, Jacqueline R.
;    APPLICANT:  Imbach, Jean Louis
;    TITLE OF INVENTION:  Inhibitors of Human Immunodeficiency
;    TITLE OF INVENTION:  Virus
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5523389ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/128,011
;      FILING DATE:
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gaumond, Rebecca R.
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  ISIS-1161
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-128-011-4

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||    ||||
Db          1 TTTTTTTTTTTTGGGGTTTT 21


RESULT 1290
US-08-403-888A-142
; Sequence 142, Application US/08403888A
; Patent No. 5952490
;  GENERAL INFORMATION:
;    APPLICANT:  Hanecak et al.
;    TITLE OF INVENTION:  Oligonucleotides Having A Conserved G4 Core
;    TITLE OF INVENTION:  Sequence
;    NUMBER OF SEQUENCES:  146
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5952490ris LLP
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/403,888A
;      FILING DATE:  12-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/954,185
;      FILING DATE:  29-SEP-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul K. Legaard
;      REGISTRATION NUMBER:  38,534
;      REFERENCE/DOCKET NUMBER:  ISIS-1229
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  142:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-403-888A-142

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              ||||||||||||    ||||
Db          1 TTTTTTTTTTTTGGGGTTTT 21


RESULT 1291
US-08-555-568B-24
; Sequence 24, Application US/08555568B
```

```
; Patent No. 5976854
;  GENERAL INFORMATION:
;    APPLICANT:  Jones, Simon
;    APPLICANT:  Tang, Jim
;    TITLE OF INVENTION:  Calcium Independent Phospholipase A2/B
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/555,568B
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  24:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotides
;    HYPOTHETICAL:  NO
US-08-555-568B-24

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1283 CATGGGACCAGCAGGCTCGCC 1303
             ||||||||| || ||||  ||
Db          1 CATGGGACCCGCTGGCTTTCC 21


RESULT 1292
US-09-519-223-24
; Sequence 24, Application US/09519223
; Patent No. 6274140
;  GENERAL INFORMATION:
;    APPLICANT:  Jones, Simon
;    APPLICANT:  Tang, Jim
;    TITLE OF INVENTION:  Calcium Independent Phospholipase A2/B
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/519,223
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/555,568
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  24:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotides
;    HYPOTHETICAL:  NO
US-09-519-223-24

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1283 CATGGGACCAGCAGGCTCGCC 1303
             ||||||||| || ||||  ||
Db          1 CATGGGACCCGCTGGCTTTCC 21


RESULT 1293
US-07-974-409C-346
; Sequence 346, Application US/07974409C
; Patent No. 6300058
;  GENERAL INFORMATION:
;    APPLICANT:  Akitaya, Tatsuo
;    APPLICANT:  Mitsuhashi, Masato
;    APPLICANT:  Cooper, Allan
;    TITLE OF INVENTION:  METHOD AND REAGENT
;    TITLE OF INVENTION:  FOR MEASURING MESSENGER RNA
;    NUMBER OF SEQUENCES:  457
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson, and Bear
;      STREET:  620 Newport Center Dr.  Sixteenth Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/974,409C
;      FILING DATE:  12-NOV-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Altman, Daniel E.
;      REGISTRATION NUMBER:  34,115
;      REFERENCE/DOCKET NUMBER:  HITACHI.006CP2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  346:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-07-974-409C-346

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 21;
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  Best Local Similarity   81.0%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        431 CCCCTGCACCAGCCGGCGCCC 451
              ||||||| | | ||||||||
Db          1 CCCCTGCCGCCGACGGCGCCC 21


RESULT 1294
US-09-428-236-16/c
; Sequence 16, Application US/09428236
; Patent No. 6472153
; GENERAL INFORMATION:
;  APPLICANT: Dempcy, Robert, O.
;  APPLICANT: Afonina, Irina A.
;  APPLICANT: Vermeulen, Nicolaas M.
;  TITLE OF INVENTION: HYBRIDIZATION-TRIGGERED FLUORESCENT
;  TITLE OF INVENTION: DETECTION OF NUCLEIC ACIDS
;  FILE REFERENCE: 344692000600
;  CURRENT APPLICATION NUMBER: US/09/428,236
;  CURRENT FILING DATE: 1999-10-26
;  NUMBER OF SEQ ID NOS: 19
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 16
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-09-428-236-16

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAAAAAAAA 2802
              ||||||| |||| || ||| |
Db         21 ATTGAAAGAAAAGAAGAAAGA 1


RESULT 1295
US-09-422-978-9217/c
; Sequence 9217, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9217
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-23207 for SEQ 1352, in complem
US-09-422-978-9217

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2674 GTGTGTGTGGGTGAAATGGAG 2694
              |||| ||||| ||| ||| ||
Db         21 GTGTATGTGGTTGAGATGAAG 1


RESULT 1296
US-09-927-180-24
; Sequence 24, Application US/09927180
; Patent No. 6645736
;  GENERAL INFORMATION:
;       APPLICANT: Jones, Simon
;                  Tang, Jim
;       TITLE OF INVENTION: Calcium Independent Phospholipase A2/B
;       NUMBER OF SEQUENCES: 25
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Genetics Institute, Inc.
;            STREET: 87 CambridgePark Drive
;            CITY: Cambridge
;            STATE: Massachusetts
;            COUNTRY: U.S.A.
;            ZIP: 02140
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/927,180
;            FILING DATE: 09-Aug-2001
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 09/519,223
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Brown, Scott A.
;            REGISTRATION NUMBER: 32,724
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (617) 498-8224
;            TELEFAX: (617) 876-5851
;   INFORMATION FOR SEQ ID NO: 24:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 21 bases
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: oligonucleotides
;       HYPOTHETICAL: NO
;       SEQUENCE DESCRIPTION: SEQ ID NO: 24:
US-09-927-180-24

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 21;
  Best Local Similarity   81.0%;  Pred. No. 1.9e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1283 CATGGGACCAGCAGGCTCGCC 1303
              ||||||||| || ||||  ||
Db          1 CATGGGACCCGCTGGCTTTCC 21


RESULT 1297
US-07-988-430-60/c
; Sequence 60, Application US/07988430
; Patent No. 5416202
;  GENERAL INFORMATION:
;    APPLICANT:  Bernhard, Susan L.
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Lane, Julie A.
;    APPLICANT:  Lei, Shau-Ping
;    TITLE OF INVENTION:  Materials Comprising and Methods of
;    TITLE OF INVENTION:  Preparation and Use for Ribosome-Inactivating Proteins
;    NUMBER OF SEQUENCES:  101
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;       ADDRESSEE:  Bicknell
;       STREET:  Two First National Plaza, 20 South Clark
;       STREET:  Street
;       CITY:  Chicago
;       STATE:  Illinois
;       COUNTRY:  USA
;       ZIP:  60603
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/988,430
;       FILING DATE:  19921209
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/901,707
;       FILING DATE:  19-JUN-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/787,567
;       FILING DATE:  04-NOV-1991
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  No. 5416202and, Greta E.
;       REGISTRATION NUMBER:  35302
;       REFERENCE/DOCKET NUMBER:  31133
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (312) 346-5750
;       TELEFAX:  (312) 984-9740
;       TELEX:  25-3856
;   INFORMATION FOR SEQ ID NO:  60:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-07-988-430-60

  Query Match              0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
              ||||||||||| |||  || |
Db         22 CAGCAATGGGATTCCATGGCT 2


RESULT 1298
US-08-118-441-16
; Sequence 16, Application US/08118441
; Patent No. 5578493
;  GENERAL INFORMATION:
;    APPLICANT:  Gilliam, T. Conrad
;    APPLICANT:  Tanzi, Rudolph E.
;    TITLE OF INVENTION:  ISOLATION AND USES OF A WILSON'S DISEASE
;    TITLE OF INVENTION:  GENE
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/118,441
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  0575/44011
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
US-08-118-441-16

  Query Match              0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        346 TCCCCCTCCCTACCAGCAGCT 366
              ||||||||| | || ||| ||
Db          2 TCCCCCTCCTTGCCTGCAACT 22


RESULT 1299
US-08-425-336-58/c
; Sequence 58, Application US/08425336
; Patent No. 5621083
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribsome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  140
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/425,336
;      FILING DATE:  18-APR-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/064,691
;      FILING DATE:  12-MAY-1993
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meyers, Thomas C.
;      REGISTRATION NUMBER:  P-36,989
;      REFERENCE/DOCKET NUMBER:  31394
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  58:
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;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-425-336-58

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
              ||||||||||| |||  || |
Db         22 CAGCAATGGGATTCCATGGCT 2


RESULT 1300
US-08-488-113B-58/c
; Sequence 58, Application US/08488113B
; Patent No. 5744580
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  169
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/488,113B
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/425,336
;      FILING DATE:  18-APR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  11022US07/200-70.P3.C2A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-488-113B-58

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
              ||||||||||| |||  || |
Db         22 CAGCAATGGGATTCCATGGCT 2


RESULT 1301
US-08-477-484B-58/c
; Sequence 58, Application US/08477484B
; Patent No. 5756699
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  169
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/477,484B
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/425,336
;      FILING DATE:  18-APR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  11022US07/200-70.P3.C2A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-477-484B-58

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
```

```
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
              ||||||||||| ||| || ||
Db         22 CAGCAATGGGATTCCATGGCT 2


RESULT 1302
US-08-646-360-58/c
; Sequence 58, Application US/08646360
; Patent No. 5837491
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  173
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/646,360
;      FILING DATE:  13-MAY-1996
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05348
;      FILING DATE:  12-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  200-70.P4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-646-360-58

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
              ||||||||||| ||| || ||
Db         22 CAGCAATGGGATTCCATGGCT 2
```

```
RESULT 1303
US-08-173-489C-65
; Sequence 65, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  double stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;      DESCRIPTION:  gamma-crystallin gene exon 3
;      DESCRIPTION:  (Accession # K03006) nucleotides 9 to 30
;    HYPOTHETICAL:  No
;    ANTI-SENSE:  No
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    POSITION IN GENOME:
;      CHROMOSOME/SEGMENT:  chromosome 2
;      MAP POSITION:  2q33-q35
;    PUBLICATION INFORMATION:
;      AUTHORS:  Meakin, S O,  Breitman, M L,  Tsui, L C.
;      TITLE:  Structural and evolutionary
;      TITLE:  relationships among five members of the human
;      TITLE:  gamma-crystallin gene family
;      JOURNAL:  Molecular and Cellular Biology
;      VOLUME:  5
;      PAGES:  1408-1414
;      DATE:  1985
;      RELEVANT RESIDUES IN SEQ ID NO:  65 :FROM 1 TO 22
US-08-173-489C-65

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2158 TTTTCTCCTTTTTTTTTTTTT 2178
              |||||| || ||||| ||| |
Db          2 TTTTCTTCTCTTTTTATTTCT 22
```

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RESULT 1304
US-08-452-075-6/c
; Sequence 6, Application US/08452075
; Patent No. 5998178
;  GENERAL INFORMATION:
;    APPLICANT:  HASHIGUCHI, KEN-ICHI
;    APPLICANT:  KISHINO, HIROKO
;    APPLICANT:  TSUJIMOTO, NOBUHARU
;    APPLICANT:  MATSUI, HIROSHI
;    TITLE OF INVENTION:  L-ISOLEUCINE-PRODUCING BACTERIUM AND
;    TITLE OF INVENTION:  METHOD FOR PREPARING L-ISOLEUCINE THROUGH FERMENTATION
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT
;      STREET:  1755 S. JEFFERSON DAVIS HIGHWAY, FOURTH FLOOR
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  USA
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/452,075
;      FILING DATE:  26-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 116340/1994
;      FILING DATE:  30-MAY-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  OBLON, NORMAN F
;      REGISTRATION NUMBER:  08/452,075
;      REFERENCE/DOCKET NUMBER:  10-741-0
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 413-3000
;      TELEFAX:  (703) 413-2220
;      TELEX:  248855 OPAT UR
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
US-08-452-075-6

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2352 GTTCTGTATTTTAAGAAACAG 2372
                || ||| || || ||||||||
Db         22 GTCCTGAATCTTGAGAAACAG 2

RESULT 1305
US-08-338-579A-16
; Sequence 16, Application US/08338579A
; Patent No. 6068975
;  GENERAL INFORMATION:
;    APPLICANT:  Gilliam, T. Conrad
;    APPLICANT:  Tanzi, Rudolph E.
;    TITLE OF INVENTION:  ISOLATION AND USES OF A WILSON'S
;    TITLE OF INVENTION:  DISEASE GENE
;    NUMBER OF SEQUENCES:  107
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/338,579A
;      FILING DATE:  June 17, 1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  0575/44011-A-PCT-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
US-08-338-579A-16

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        346 TCCCCCTCCCTACCAGCAGCT 366
              ||||||||| | || ||| ||
Db          2 TCCCCCTCCTTGCCTGCAACT 22

RESULT 1306
US-08-839-765-58/c
; Sequence 58, Application US/08839765
; Patent No. 6146631
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  169
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/839,765
;      FILING DATE:  15-APR-1997
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/425,336
;      FILING DATE:  18-APR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
```

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;       APPLICATION NUMBER:  US 07/988,430
;       FILING DATE:  09-DEC-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/901,707
;       FILING DATE:  19-JUN-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/787,567
;       FILING DATE:  04-NOV-1991
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  McNicholas, Janet M.
;       REGISTRATION NUMBER:  32,918
;       REFERENCE/DOCKET NUMBER:  11022US09/200-70.P3.C3
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  312/707-8889
;       TELEFAX:  312/707-9155
;       TELEX:  650 388-1248
;   INFORMATION FOR SEQ ID NO:  58:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-839-765-58

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
              ||||||||||| |||  || |
Db         22 CAGCAATGGGATTCCATGGCT 2


RESULT 1307
US-09-136-389-58/c
; Sequence 58, Application US/09136389
; Patent No. 6146850
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  173
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/136,389
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/646,360
;      FILING DATE:  13-MAY-1996
;      APPLICATION NUMBER:  PCT/US94/05348
;      FILING DATE:  12-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  200-70.P4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-136-389-58

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
              ||||||||||| |||  || |
Db         22 CAGCAATGGGATTCCATGGCT 2


RESULT 1308
US-09-231-061-5/c
; Sequence 5, Application US/09231061
; Patent No. 6214591
;  GENERAL INFORMATION:
;    APPLICANT:  TOMITA, FUSAO
;    APPLICANT:  YOKOTA, ATSUSHI
;    APPLICANT:  HASHIGUCHI, KENICHI
;    APPLICANT:  ISHIGOOKA, MASAKO
;    APPLICANT:  KURAHASHI, OSAMU
;    TITLE OF INVENTION:  METHODS FOR PRODUCING L-VALINE AND
;    TITLE OF INVENTION:  L-LEUCINE
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 S. JEFF. DAVIS HIGHWAY, FOURTH FLOOR
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/231,061
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/793,441
;      FILING DATE:  28-FEB-1997
;      APPLICATION NUMBER:  PCT/JP95/01719
;      FILING DATE:  30-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-204856
;      FILING DATE:  30-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  OBLON, NORMAN F.
;      REGISTRATION NUMBER:  24,618
;      REFERENCE/DOCKET NUMBER:  10-843-0 PCT
```

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;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-413-3000
;      TELEFAX:  703-413-2220
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "SYNTHETIC DNA"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-231-061-5

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2352 GTTCTGTATTTTAAGAAACAG 2372
              || ||| || || ||||||||
Db         22 GTCCTGAATCTTGAGAAACAG 2


RESULT 1309
US-09-011-762-10/c
; Sequence 10, Application US/09011762
; Patent No. 6319696
; GENERAL INFORMATION:
;  APPLICANT: KISHINO, Hiroko
;  APPLICANT: IZUI, Masako
;  APPLICANT: ONO, Yukiko
;  APPLICANT: ITO, Hisao
;  APPLICANT: KURAHASHI, Osamu
;  TITLE OF INVENTION: METHOD FOR PRODUCING L-AMINO ACID
;  FILE REFERENCE: 0010-0911-0PCT
;  CURRENT APPLICATION NUMBER: US/09/011,762
;  CURRENT FILING DATE: 1998-04-17
;  EARLIER APPLICATION NUMBER: PCT/JP96/02399
;  EARLIER FILING DATE: 1996-08-27
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic DNA
US-09-011-762-10

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2352 GTTCTGTATTTTAAGAAACAG 2372
              || ||| || || ||||||||
Db         22 GTCCTGAATCTTGAGAAACAG 2


RESULT 1310
US-09-610-838-58/c
; Sequence 58, Application US/09610838
; Patent No. 6376217
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  173
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/610,838
;      FILING DATE:  06-JUL-2000
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/136,389
;      FILING DATE:  18-AUG-1998
;      APPLICATION NUMBER:  08/646,360
;      FILING DATE:  13-MAY-1996
;      APPLICATION NUMBER:  PCT/US94/05348
;      FILING DATE:  12-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  200-70.P4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-610-838-58

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
              |||||||||| ||| || |
Db         22 CAGCAATGGGATTCCATGGCT 2


RESULT 1311
US-09-459-133-4
; Sequence 4, Application US/09459133
; Patent No. 6416988
; GENERAL INFORMATION:
;  APPLICANT: Conklin, Darrell C.
;  APPLICANT:  Yamamoto, Gayle
;  APPLICANT:  Jaspers, Stephen R.
;  APPLICANT:  Gao, Zeren
;  TITLE OF INVENTION: BETA-1,3-GALACTOSYLTRANSFERASE HOMOLOGS
;  FILE REFERENCE: 98-77
;  CURRENT APPLICATION NUMBER: US/09/459,133
;  CURRENT FILING DATE:  1999-12-10
;  PRIOR APPLICATION NUMBER: 60/111,697
;  PRIOR FILING DATE: 1998-12-10
```

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;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer, ZC18227
US-09-459-133-4

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        793 TCAGAAGGAGCTGGTGGGGGC 813
              ||||| |||||||  || |||
Db          2 TCAGAGGGAGCTGAGGGAGGC 22


RESULT 1312
US-09-474-432B-1484
; Sequence 1484, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka
;  APPLICANT:  Sweedler, David
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
;  FILE REFERENCE: MBHB00-831-B (247/276)
;  CURRENT APPLICATION NUMBER: US/09/474,432B
;  CURRENT FILING DATE:  1999-12-19
;  PRIOR APPLICATION NUMBER: US 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  PRIOR APPLICATION NUMBER: US 60/084,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: US 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: US 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  NUMBER OF SEQ ID NOS: 1526
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1484
;   LENGTH: 22
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Enzymatic Nucleic Acid
US-09-474-432B-1484

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   66.7%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        245 CCGCGGGTCCCCCACCTCTCC 265
              |||||||:  | ||||: :||
Db          2 CCGCGGGUUGCACACCUUUCC 22


RESULT 1313
US-09-327-138C-24/c
; Sequence 24, Application US/09327138C
; Patent No. 6541244
; GENERAL INFORMATION:
;  APPLICANT: AUERNHAMMER, CHRISTOPH J.
;  APPLICANT:  MELMED, SHLOMO
;  TITLE OF INVENTION: SUPPRESSOR OF CYTOKINE SIGNALING
;  TITLE OF INVENTION:  (SOCS)-3 PROMOTER AND METHODS FOR ITS USE IN GENETIC THERAPY
;  TITLE OF INVENTION:  IN HUMANS
;  FILE REFERENCE: P07 42591 (18810-803
;  CURRENT APPLICATION NUMBER: US/09/327,138C
;  CURRENT FILING DATE:  1999-06-07
;  NUMBER OF SEQ ID NOS: 39
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PRIMER
US-09-327-138C-24

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2100 CAAACGGGGGCCTTCTGGTTT 2120
              || || |||||| || |||||
Db         22 CAGACTGGGGCCCTCGGGTTT 2


RESULT 1314
US-09-476-387-1483
; Sequence 1483, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleo
;  FILE REFERENCE: MBHB00-831-C (249/073)
;  CURRENT APPLICATION NUMBER: US/09/476,387
;  CURRENT FILING DATE:  2001-04-04
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1483
;   LENGTH: 22
;   TYPE: RNA
;   ORGANISM: Homo Sapiens
US-09-476-387-1483

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   66.7%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        245 CCGCGGGTCCCCCACCTCTCC 265
              |||||||:  | ||||: :||
Db          2 CCGCGGGUUGCACACCUUUCC 22


RESULT 1315
US-09-750-401-17
; Sequence 17, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
```

```
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
;   LENGTH: 22
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of Neuronal-Cadherin
US-09-750-401-17

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   0.0%;  Pred. No. 2.1e+03;
  Matches    0;  Conservative   17;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              :::::: :::: : : :::::
Db          1 UUUUUUAUUUUCUGUAUUUUU 21


RESULT 1316
US-09-750-401-19
; Sequence 19, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
;   LENGTH: 22
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of Neuronal-Cadherin
US-09-750-401-19

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   0.0%;  Pred. No. 2.1e+03;
  Matches    0;  Conservative   17;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2186
              :::::: :::: : : :::::
Db          1 UUUUUUAUUUUCUGUAUUUUU 21


RESULT 1317
US-09-711-485-58/c
; Sequence 58, Application US/09711485
; Patent No. 6649742
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  169
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/711,485
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/839,765
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  11022US09/200-70.P3.C3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-711-485-58

  Query Match             0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
              |||||||||| ||| || |
Db         22 CAGCAATGGGATTCCATGGCT 2


RESULT 1318
US-09-530-139-70
; Sequence 70, Application US/09530139
; Patent No. 6670453
; GENERAL INFORMATION:
;  APPLICANT: FRENKEN, LEON GERARDUS
;  APPLICANT:  HOWELL, STEVEN
;  APPLICANT:  LEDEBOER, ADRIANUS MARINUS
;  APPLICANT:  VAN DER LOGT, CORNELIS PAUL
;  TITLE OF INVENTION: MULTIVALENT ANTIGEN-BINDING PROTEINS
;  FILE REFERENCE: 60113/268075/ASH
;  CURRENT APPLICATION NUMBER: US/09/530,139
;  CURRENT FILING DATE:  2000-04-27
;  PRIOR APPLICATION NUMBER: PCT/EP98/06991
;  PRIOR FILING DATE: 1998-10-27
;  PRIOR APPLICATION NUMBER: EP 97308538.4
;  PRIOR FILING DATE: 1997-10-27
;  NUMBER OF SEQ ID NOS: 77
```

```
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 70
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-530-139-70

  Query Match              0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1489 CCTGGAGAAAATGGAGAAACA 1509
                 ||||| |||  ||||||| ||
Db          2 CCTGGTGAACCTGGAGAACCA 22


RESULT 1319
PCT-US92-09487-60/c
; Sequence 60, Application PC/TUS9209487
;  GENERAL INFORMATION:
;    APPLICANT:  Bernhard, Susan L.
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Lane, Julie A.
;    APPLICANT:  Lei, Shau-Ping
;    TITLE OF INVENTION:  Materials Comprising and Methods of
;    TITLE OF INVENTION:  Preparation and Use for Ribosome-Inactivating Proteins
;    NUMBER OF SEQUENCES:  101
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/09487
;      FILING DATE:  19921104
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Noland, Greta E.
;      REGISTRATION NUMBER:  35302
;      REFERENCE/DOCKET NUMBER:  31133
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  60:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
PCT-US92-09487-60

  Query Match              0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        232 CAGCAATGGGAATCCGCGGGT 252
                ||||||||||| |||  || |
Db         22 CAGCAATGGGATTCCATGGCT 2


RESULT 1320
PCT-US94-09851-16
; Sequence 16, Application PC/TUS9409851
;  GENERAL INFORMATION:
;    APPLICANT:  Gilliam, T. Conrad
;    APPLICANT:  Tanzi, Rudolph E.
;    TITLE OF INVENTION:  ISOLATION AND USES OF A WILSON'S
;    TITLE OF INVENTION:  DISEASE GENE
;    NUMBER OF SEQUENCES:  92
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/09851
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  0575/44011-PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
PCT-US94-09851-16

  Query Match              0.5%;  Score 14.6;  DB 1;  Length 22;
  Best Local Similarity   81.0%;  Pred. No. 2.1e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        346 TCCCCCTCCCTACCAGCAGCT 366
                |||||||||  |  ||  ||| ||
Db          2 TCCCCCTCCTTGCCTGCAACT 22


RESULT 1321
US-08-753-147-140
; Sequence 140, Application US/08753147
; Patent No. 5770372
;  GENERAL INFORMATION:
;    APPLICANT:  Concannon, Patrick
;    TITLE OF INVENTION:  Detection of Mutations in the Human ATM Gene
;    NUMBER OF SEQUENCES:  196
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Christensen O'Connor Johnson and Kindness
;      STREET:  1420 5th Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
```

```
;       ZIP:  98101-2347
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/753,147
;       FILING DATE:
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Sheiness, Diana K.
;       REGISTRATION NUMBER:  35,356
;       REFERENCE/DOCKET NUMBER:  VMRC-1-9714
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (206) 743-4387
;       TELEFAX:  (206) 224 0779
;   INFORMATION FOR SEQ ID NO:  140:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  16 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     ORIGINAL SOURCE:
;       ORGANISM:  Homo sapiens
US-08-753-147-140

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 16;
  Best Local Similarity   93.8%;  Pred. No. 9.5e+02;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1923 TTTTTTTCAGTGTTAA 1938
              ||||||||||||| ||
Db          1 TTTTTTTCAGTGTCAA 16


RESULT 1322
US-08-173-489C-43/c
; Sequence 43, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  43:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  double stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;      DESCRIPTION:  dystrophin gene (Accession # M18533,
;      DESCRIPTION:  M17154, M18026) nucleotides 12923 to 12939
;    HYPOTHETICAL:  No
;    ANTI-SENSE:  No
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    POSITION IN GENOME:
;      CHROMOSOME/SEGMENT:  X-chromosome
;      MAP POSITION:  Xp21.3-p21.1
;    PUBLICATION INFORMATION:
;      AUTHORS:  Koenig, M,  Hoffman, E P,  Bertelson, C J,
;      AUTHORS:  Monaco, A P,  Feener, C,  Kunkel, L M.
;      TITLE:  Complete cloning of the
;      TITLE:  Duchenne muscular dystrophy (DMD) cDNA and
;      TITLE:  preliminary genomic organization of the DMD
;      TITLE:  gene in normal and affected individuals
;      JOURNAL:  Cell
;      VOLUME:  50
;      PAGES:  509-517
;      DATE:  1987
;      AUTHORS:  Hoffman, E P,  Monaco, A P,  Feener, C C,
;      AUTHORS:  Kunkel, L M.
;      TITLE:  Conservation of the Duchenne
;      TITLE:  muscular dystrophy gene in mice and humans
;      JOURNAL:  Science
;      VOLUME:  238
;      PAGES:  347-350
;      DATE:  1987
;      AUTHORS:  Koenig, M,  Monaco, A P,  Kunkel, L M.
;      TITLE:  The complete sequence of
;      TITLE:  dystrophin predicts a rod-shaped cytoskeletal
;      TITLE:  protein
;      JOURNAL:  Cell
;      VOLUME:  53
;      PAGES:  219-228
;      DATE:  1988
;      RELEVANT RESIDUES IN SEQ ID NO:  43 :FROM 1 TO 17
US-08-173-489C-43

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2158 TTTTCTCCTTTTTTTT 2173
              ||||||||| ||||||
Db         16 TTTTCTCCTCTTTTTT 1


RESULT 1323
US-08-173-489C-44
; Sequence 44, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
```

```
;       ZIP:  10021.
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;       COMPUTER:  IBM PC/XT/AT
;       OPERATING SYSTEM:  MS-DOS version 6.2
;       SOFTWARE:  Wordperfect Version 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/173,489C
;       FILING DATE:  22 DEC 1993
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/968,436
;       FILING DATE:  29 OCT 1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Handelman, Joseph H.
;       REGISTRATION NUMBER:  26,179
;       REFERENCE/DOCKET NUMBER:  U9518-6
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (attorney) (212) 708-1880
;       TELEFAX:  (attorney) (212) 246-8959
;   INFORMATION FOR SEQ ID NO:  44:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 bases
;       TYPE:  Nucleic Acid
;       STRANDEDNESS:  single stranded
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  third strand derived from dystrophin
;       DESCRIPTION:  sequence region in Seq ID No. 586124443
;     HYPOTHETICAL:  Yes
;     ANTI-SENSE:  No
;     PUBLICATION INFORMATION:
;       RELEVANT RESIDUES IN SEQ ID NO:  44 :FROM 1 TO 17
US-08-173-489C-44

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTT 2171
                ||||||||||| ||||
Db          1 TTTTTTCTCCTCTTTT 16


RESULT 1324
US-08-985-162-412/c
; Sequence 412, Application US/08985162
; Patent No. 6057156
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/985,162
;      FILING DATE:  04 December 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  412:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-985-162-412

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1424 CTGATTGTCATAGACA 1439
                ||||||| |||||||
Db         17 CTGATTGTGATAGACA 2


RESULT 1325
US-08-584-040-2545
; Sequence 2545, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
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;       TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2545:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-2545

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   12.5%;  Pred. No. 1.2e+03;
  Matches    2;  Conservative   13;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTT 2176
              :|: |::::::::::::
Db          2 UCUACUUUUUUUUUUU 17


RESULT 1326
US-08-584-040-2555/c
; Sequence 2555, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2555:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2555

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAAA 2798
              ||| ||||||||||||
Db         16 TTGGAAAAAAAAAAAA 1


RESULT 1327
US-08-584-040-3980
; Sequence 3980, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  3980:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-3980

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 1.2e+03;
  Matches   12;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1511 AGGAAATAAAATTGGA 1526
              ||||||:|||::|| |
Db          2 AGGAAAUAAAAUUGAA 17


RESULT 1328
US-09-474-432B-473
; Sequence 473, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
```

```
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka
;  APPLICANT:  Sweedler, David
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
;  FILE REFERENCE: MBHB00-831-B (247/276)
;  CURRENT APPLICATION NUMBER: US/09/474,432B
;  CURRENT FILING DATE:  1999-12-19
;  PRIOR APPLICATION NUMBER: US 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  PRIOR APPLICATION NUMBER: US 60/084,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: US 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: US 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  NUMBER OF SEQ ID NOS: 1526
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 473
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-474-432B-473

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 1.2e+03;
  Matches   12;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        603 CCGACCTGCTGCTGCC 618
              ||||||:||:| :|||
Db          2 CCGACCUGCUGGUGCC 17


RESULT 1329
US-09-371-772B-1069
; Sequence 1069, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1069
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1069

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   12.5%;  Pred. No. 1.2e+03;
  Matches    2;  Conservative   13;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTT 2176
              :|: |::::::::::::
Db          2 UCUACUUUUUUUUUUU 17


RESULT 1330
US-09-371-772B-1079/c
; Sequence 1079, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1079
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1079

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAAA 2798
              ||| ||||||||||||
Db         16 TTGGAAAAAAAAAAAA 1


RESULT 1331
US-09-371-772B-1747
; Sequence 1747, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1747
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1747

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 1.2e+03;
  Matches   12;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1511 AGGAAATAAAATTGGA 1526
              ||||||:||||::| |
Db          2 AGGAAAUAAAAUUGAA 17


RESULT 1332
US-09-371-772B-5625
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```
; Sequence 5625, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5625
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-5625

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   56.2%;  Pred. No. 1.2e+03;
  Matches    9;  Conservative    6;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1339 TCATTTCAGCCTGATT 1354
              :||:::|||||:|| :
Db          2 UCAUUUCAGCCUGAAU 17


RESULT 1333
US-09-476-387-472
; Sequence 472, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
;  FILE REFERENCE: MBHB00-831-C (249/073)
;  CURRENT APPLICATION NUMBER: US/09/476,387
;  CURRENT FILING DATE:  2001-04-04
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 472
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-476-387-472

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 1.2e+03;
  Matches   12;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        603 CCGACCTGCTGCTGCC 618
              ||||||:||:| :|||
Db          2 CCGACCUGCUGGUGCC 17


RESULT 1334
US-09-401-063-412/c
; Sequence 412, Application US/09401063
; Patent No. 6623962
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/401,063
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/985,162
;      FILING DATE:  04 December 1997
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  412:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-401-063-412

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1424 CTGATTGTCATAGACA 1439
              |||||||| |||||||
Db         17 CTGATTGTGATAGACA 2


RESULT 1335
US-09-827-998-655
; Sequence 655, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
```

```
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 655
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-655

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        451 CACAGGCAGCCAGCAG 466
              |||||| |||||||||
Db          2 CACAGGTAGCCAGCAG 17


RESULT 1336
US-09-827-998-656
; Sequence 656, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 656
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-656

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        451 CACAGGCAGCCAGCAG 466
              |||||| |||||||||
Db          1 CACAGGTAGCCAGCAG 16


RESULT 1337
US-09-827-998-1721
; Sequence 1721, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1721
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1721

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2315 ATTTGTTGCTGCTTGT 2330
              | ||||||||||||||
Db          2 AGTTGTTGCTGCTTGT 17


RESULT 1338
US-09-827-998-1722
; Sequence 1722, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1722
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1722

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 17;
  Best Local Similarity   93.8%;  Pred. No. 1.2e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2315 ATTTGTTGCTGCTTGT 2330
              | ||||||||||||||
Db          1 AGTTGTTGCTGCTTGT 16


RESULT 1339
US-07-874-334-12
; Sequence 12, Application US/07874334
; Patent No. 5495009
;  GENERAL INFORMATION:
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, BOB
;    APPLICANT:  LIN, KUEI-YING
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE ANALOGS CONTAINING
;    TITLE OF INVENTION:  THIOFORMACETAL LINKAGES
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
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;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/07/874,334
;       FILING DATE:  19920424
;       CLASSIFICATION:  536
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  MURASHIGE, KATE H.
;       REGISTRATION NUMBER:  29,959
;       REFERENCE/DOCKET NUMBER:  24610-20005.24
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 813-5600
;       TELEFAX:  (415) 494-0792
;       TELEX:  706141
;   INFORMATION FOR SEQ ID NO:  12:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     FEATURE:
;       NAME/KEY:  misc_difference
;       LOCATION:  replace(3..4, "")
;       OTHER INFORMATION:  /note= "This position indicates a
;       OTHER INFORMATION:  formacetal linker group."
;     FEATURE:
;       NAME/KEY:  misc_difference
;       LOCATION:  replace(5, "")
;       OTHER INFORMATION:  /note= "This position is 5-methyl
;       OTHER INFORMATION:  deoxycytidine."
;     FEATURE:
;       NAME/KEY:  misc_difference
;       LOCATION:  replace(7..8, "")
;       OTHER INFORMATION:  /note= "This position indicates a
;       OTHER INFORMATION:  formacetal linker group."
;     FEATURE:
;       NAME/KEY:  misc_difference
;       LOCATION:  replace(9, "")
;       OTHER INFORMATION:  /note= "This position is 5-methyl
;       OTHER INFORMATION:  deoxycytidine."
;     FEATURE:
;       NAME/KEY:  misc_difference
;       LOCATION:  replace(11, "")
;       OTHER INFORMATION:  /note= "This position is 5-methyl
;       OTHER INFORMATION:  deoxycytidine."
;     FEATURE:
;       NAME/KEY:  misc_difference
;       LOCATION:  replace(12, "")
;       OTHER INFORMATION:  /note= "This position is 5-methyl
;       OTHER INFORMATION:  deoxycytidine."
;     FEATURE:
;       NAME/KEY:  misc_difference
;       LOCATION:  replace(13..14, "")
;       OTHER INFORMATION:  /note= "This position indicates a
;       OTHER INFORMATION:  formacetal linkage."
;     FEATURE:
;       NAME/KEY:  misc_difference
;       LOCATION:  replace(15..16, "")
;       OTHER INFORMATION:  /note= "This position indicates a
;       OTHER INFORMATION:  formacetal linker."
;     FEATURE:
;       NAME/KEY:  misc_difference
;       LOCATION:  replace(18, "")
;       OTHER INFORMATION:  /note= "This position is an
;       OTHER INFORMATION:  anthraquinone pseudonucleoside."
US-07-874-334-12

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 1.4e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTT 2170
                ||| ||||||||||||
Db          2 TTTCTTTCTCCTTTTT 17


RESULT 1340
US-09-106-038A-23/c
; Sequence 23, Application US/09106038A
; Patent No. 6007995
;  GENERAL INFORMATION:
;    APPLICANT:  Brenda P. Baker and Lex M. Cowsert
;    TITLE OF INVENTION:  ANTISENSE MODULATION OF TNFR1
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  91
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Isis Pharmaceuticals, Inc.
;      STREET:  2292 Faraday Avenue
;      CITY:  Carlsbad
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  92008
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Windows NT
;      SOFTWARE:  Microsoft Word 97
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/106,038A
;      FILING DATE:  June 26, 1998
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Laurel Spear Bernstein
;      REGISTRATION NUMBER:  37,280
;      REFERENCE/DOCKET NUMBER:  RTS-0004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (760) 931-9200
;      TELEFAX:  (760) 603-3820
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-106-038A-23

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 1.4e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        605 GACCTGCTGCTGCCCC 620
              ||||||||||||||| |
Db         17 GACCTGCTGCTGCCGC 2


RESULT 1341
US-08-679-645-1165/c
; Sequence 1165, Application US/08679645
; Patent No. 6350934
;  GENERAL INFORMATION:
;    APPLICANT:  Zwick, Michael G.
;    APPLICANT:  Edington, Brent E.
;    APPLICANT:  McSwiggen, James A.
;    APPLICANT:  Merlo, Patricia Ann Owens
;    APPLICANT:  Guo, Lining
;    APPLICANT:  Skokut, Thomas A.
;    APPLICANT:  Young, Scott A.
;    APPLICANT:  Folkerts, Otto
;    APPLICANT:  Merlo, Donald J.
;    TITLE OF INVENTION:  COMPOSITION AND METHODS FOR
;    TITLE OF INVENTION:  MODULATION OF GENE EXPRESSION
;    TITLE OF INVENTION:  IN PLANTS
;    NUMBER OF SEQUENCES:  1263
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
```

```
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/679,645
;       FILING DATE:  July 12, 1996
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/001,135
;       FILING DATE:  July 13, 1995
;       APPLICATION NUMBER:  08/300,726
;       FILING DATE:  September 2, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  219/247
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  1165:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-679-645-1165

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 1.4e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGG 66
              ||||||| ||||||||
Db         18 GCGGCGGCGGCGGCGG 3


RESULT 1342
US-09-725-265-43
; Sequence 43, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-43

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 1.4e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTT 2177
              | ||||||||||||||
Db          3 CCCCTTTTTTTTTTT 18


RESULT 1343
US-09-725-265-47/c
; Sequence 47, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOI
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DA
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-47

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 1.4e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTT 2177
              | ||||||||||||||
Db         16 CCCCTTTTTTTTTTTT 1


RESULT 1344
US-09-920-760-19/c
; Sequence 19, Application US/09920760
; Patent No. 6492173
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CYCLIN D2 EXPRESSION
;  FILE REFERENCE: RTS-0275
;  CURRENT APPLICATION NUMBER: US/09/920,760
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 19
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-920-760-19

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 18;
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```
  Best Local Similarity   93.8%;  Pred. No. 1.4e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        491 CAGGAGGGAGCGGGGC 506
              |||||||||| |||||
Db         17 CAGGAGGGAGAGGGGC 2


RESULT 1345
PCT-US93-12603-12
; Sequence 12, Application PC/TUS9312603
;  GENERAL INFORMATION:
;    APPLICANT:  Denner, Larry A
;    APPLICANT:  Rege, Ajay A
;    APPLICANT:  Dixon, Richard AF
;    TITLE OF INVENTION:  ANTISENSE MOLECULES DIRECTED AGAINST
;    TITLE OF INVENTION:  GENES OF THE RAF ONCOGENE FAMILY
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dressler, Goldsmith, Shore & Milnamow, Ltd.
;      STREET:  180 North Stetson, Suite 4700
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/12603
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Katz, Martin L.
;      REGISTRATION NUMBER:  25,011
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312)616-5400
;      TELEFAX:  (312)616-5460
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  both
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
PCT-US93-12603-12

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 18;
  Best Local Similarity   93.8%;  Pred. No. 1.4e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        508 GCCCTCGCACCACGGG 523
              |||||||||||||| ||
Db          1 GCCCTCGCACCACTGG 16


RESULT 1346
US-08-075-193-14/c
; Sequence 14, Application US/08075193
; Patent No. 5547868
;  GENERAL INFORMATION:
;    APPLICANT:  MILLER, WALTER L.
;    APPLICANT:  HARIKRISHNA, JENNIFER A.
;    APPLICANT:  BLACK, STEPHEN M.
;    TITLE OF INVENTION:  CHOLESTEROL DISPOSAL FUSION ENZYMES
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  COOLEY GODWARD CASTRO HUDDLESON & TATUM
;      STREET:  FIVE PALO ALTO SQUARE
;      CITY:  PALO ALTO
;      STATE:  CALIFORNIA
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/075,193
;      FILING DATE:  09-JUN-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  NEELEY Ph.D., RICHARD L.
;      REGISTRATION NUMBER:  30,092
;      REFERENCE/DOCKET NUMBER:  UCAL-236/00US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-494-7622
;      TELEFAX:  415-857-0663
;      TELEX:  380816 COOLEY PA
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
US-08-075-193-14

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 19;
  Best Local Similarity   93.8%;  Pred. No. 1.6e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        691 CGAGGTGCAGAATGTC 706
              ||||||| ||||||||
Db         17 CGAGGTGAAGAATGTC 2


RESULT 1347
US-08-564-090A-14/c
; Sequence 14, Application US/08564090A
; Patent No. 5939318
; Patent No. 5939318 5741703
;  GENERAL INFORMATION:
;    APPLICANT:  MILLER, WALTER L.
;    APPLICANT:  HARIKRISHNA, JENNIFER A.
;    APPLICANT:  BLACK, STEPHEN M.
;    TITLE OF INVENTION:  CHOLESTEROL DISPOSAL FUSION ENZYMES
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  COOLEY GODWARD LLP
;      STREET:  FIVE PALO ALTO SQUARE
;      STREET:  3000 EL CAMINO REAL
;      CITY:  PALO ALTO
;      STATE:  CALIFORNIA
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/564,090A
;      FILING DATE:  02/05/96
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  RICHARD L. NEELEY, PH.D.
;      REGISTRATION NUMBER:  30,092
;      REFERENCE/DOCKET NUMBER:  UCAL-236/01US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  14:
```

```
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
US-08-564-090A-14

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 19;
  Best Local Similarity   93.8%;  Pred. No. 1.6e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        691 CGAGGTGCAGAATGTC 706
              ||||||| ||||||||
Db         17 CGAGGTGAAGAATGTC 2


RESULT 1348
PCT-US94-06698-14/c
; Sequence 14, Application PC/TUS9406698
;  GENERAL INFORMATION:
;    APPLICANT:  MILLER, WALTER L.
;    APPLICANT:  HARIKRISHNA, JENNIFER A.
;    APPLICANT:  BLACK, STEPHEN M.
;    TITLE OF INVENTION:  CHOLESTEROL DISPOSAL FUSION ENZYMES
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ROBBINS, BERLINER & CARSON
;      STREET:  201 NORTH FIGUEROA STREET
;      CITY:  LOS ANGELES
;      STATE:  CALIFORNIA
;      COUNTRY:  USA
;      ZIP:  90012
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/06698
;      FILING DATE:  FILED HEREWITH
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BERLINER, ROBERT
;      REGISTRATION NUMBER:  20,121
;      REFERENCE/DOCKET NUMBER:  5555-224-C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  213-977-1001
;      TELEFAX:  213-977-1003
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
PCT-US94-06698-14

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 19;
  Best Local Similarity   93.8%;  Pred. No. 1.6e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        691 CGAGGTGCAGAATGTC 706
              ||||||| ||||||||
Db         17 CGAGGTGAAGAATGTC 2


RESULT 1349
US-08-904-901-158/c
; Sequence 158, Application US/08904901
; Patent No. 5998383
;  GENERAL INFORMATION:
;    APPLICANT:  Wright, Jim A.
;    APPLICANT:  Young, Aiping H.
;    TITLE OF INVENTION:  ANTITUMOR ANTISENSE SEQUENCES DIRECTED
;    TITLE OF INVENTION:  AGAINST RIBONUCLEOTIDE REDUCTASE
;    NUMBER OF SEQUENCES:  163
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KOHN & ASSOCIATES
;      STREET:  30500 No. 5998383thwestern Hwy.  Suite 410
;      CITY:  Farminton Hills
;      STATE:  Michigan
;      COUNTRY:  US
;      ZIP:  48334
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/904,901
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kohn, Kenneth I.
;      REGISTRATION NUMBER:  30,955
;      REFERENCE/DOCKET NUMBER:  0227.00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (248) 539-5050
;      TELEFAX:  (248) 539-5055
;  INFORMATION FOR SEQ ID NO:  158:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    ANTI-SENSE:  YES
US-08-904-901-158

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||| ||||||||||
Db         20 AAAAAGAAAAAAAAAA 5


RESULT 1350
US-09-249-730-158/c
; Sequence 158, Application US/09249730
; Patent No. 6121000
; GENERAL INFORMATION:
;  APPLICANT: WRIGHT, Jim A.
;  APPLICANT: YOUNG, Aiping H.
;  TITLE OF INVENTION: Antitumor Antisense Sequences Directed Against R1 and
;  TITLE OF INVENTION: R2 Components of Ribonucleotide Reductase
;  FILE REFERENCE: 032396-040
;  CURRENT APPLICATION NUMBER: US/09/249,730
;  CURRENT FILING DATE: 1999-02-11
;  NUMBER OF SEQ ID NOS: 220
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 158
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-09-249-730-158

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||| ||||||||||
Db         20 AAAAAGAAAAAAAAAA 5
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RESULT 1351
US-09-249-247-158/c
; Sequence 158, Application US/09249247
; Patent No. 6593305
; GENERAL INFORMATION:
;  APPLICANT: WRIGHT, Jim A.
;  APPLICANT: YOUNG, Aiping H.
;  TITLE OF INVENTION: Antitumor Antisense Sequences Directed Against R1 and
;  TITLE OF INVENTION: R2 Components of Ribonucleotide Reductase
;  FILE REFERENCE: 032396-023
;  CURRENT APPLICATION NUMBER: US/09/249,247
;  CURRENT FILING DATE: 1999-02-11
;  EARLIER APPLICATION NUMBER: US 60/023,040
;  EARLIER FILING DATE: 1996-08-02
;  EARLIER APPLICATION NUMBER: US 60/039,959
;  EARLIER FILING DATE: 1997-03-07
;  EARLIER APPLICATION NUMBER: US 08/904,901
;  EARLIER FILING DATE: 1997-08-01
;  NUMBER OF SEQ ID NOS: 220
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 158
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-09-249-247-158

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
                ||||| ||||||||||
Db         20 AAAAAGAAAAAAAAAA 5


RESULT 1352
US-08-275-951-48/c
; Sequence 48, Application US/08275951
; Patent No. 6451968
; GENERAL INFORMATION:
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Kiely, John
;  APPLICANT:  Griffin, Michael
;  APPLICANT:  Coull, James M.
;  APPLICANT:  Neilsen, Peter
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Dueholm, Kim L.
;  APPLICANT:  Christensen, Leif
;  TITLE OF INVENTION:  Linked Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1577
;  CURRENT APPLICATION NUMBER: US/08/275,951
;  CURRENT FILING DATE:  1994-07-15
;  PRIOR APPLICATION NUMBER:  08/108,591
;  PRIOR FILING DATE:  1993-11-22
;  PRIOR APPLICATION NUMBER:  08/088,658
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/088,661
;  PRIOR FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-22
;  PRIOR APPLICATION NUMBER:  986/91
;  PRIOR FILING DATE:  1991-05-22
;  PRIOR APPLICATION NUMBER:  987/91
;  PRIOR FILING DATE:  1991-05-24
;  PRIOR APPLICATION NUMBER:  510/92
;  PRIOR FILING DATE:  1991-04-15
;  NUMBER OF SEQ ID NOS:  65
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 48
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6451968e1 Sequence
;   NAME/KEY: misc_feature
;   LOCATION: (3)
;   OTHER INFORMATION: N is Pseudoisocytosine
;   NAME/KEY: misc_feature
;   LOCATION: (6)
;   OTHER INFORMATION: N is Pseudoisocytosine
;   NAME/KEY: misc_feature
;   LOCATION: (10)..(11)
;   OTHER INFORMATION: Ethylene Glycol, Ethylene Glycol, Ethylene Glycol
;   OTHER INFORMATION: Linkage
US-08-275-951-48

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
                ||| |||||||| || ||
Db         18 GAAGAAAAAAAANAANAA 1


RESULT 1353
US-08-077-939-10
; Sequence 10, Application US/08077939
; Patent No. 5521088
;  GENERAL INFORMATION:
;    APPLICANT:  FUJII, Toshio
;    APPLICANT:  IWAMATSU, Akihiro
;    APPLICANT:  YOSHIMOTO, Hiroyuki
;    APPLICANT:  MINETOKI, Toshitaka
;    APPLICANT:  BOGAKI, Takayuki
;    APPLICANT:  NAGASAWA, Naoshi
;    TITLE OF INVENTION:  ALCOHOL ACETYLTRANSFERASE GENES AND USE
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington, D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/077,939
;      FILING DATE:  18-JUN-1932
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 184328/1992
;      FILING DATE:  18-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 62997/1993
;      FILING DATE:  26-FEB-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  49441/101 KYPA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
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US-08-077-939-10

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   60.0%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        194 AAGTACGAAGAGGACTGCGA 213
              ||:||:||:||:||:| : |
Db          1 AARTAYGARGARGAYTAYCA 20


RESULT 1354
US-08-156-672-5
; Sequence 5, Application US/08156672
; Patent No. 5576178
;  GENERAL INFORMATION:
;    APPLICANT:  Emanuel, Beverly S.
;    APPLICANT:  Budarf, Marcia L.
;    APPLICANT:  Driscoll, Deborah
;    TITLE OF INVENTION:  METHODS OF DETECTING GENETIC DELETIONS
;    TITLE OF INVENTION:  AND MUTATIONS ASSOCIATED WITH DIGEORGE SYNDROME,
;    TITLE OF INVENTION:  VELOCARDIOFACIAL SYNDROME, CHARGE ASSOCIATION, CONOTRUNCAL
;    TITLE OF INVENTION:  CARDIAC DEFECT, AND CLEFT PALATE AND PROBES USEFUL THEREFORE
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5576178ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/156,672
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/911,534
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gaumond, Rebecca R.
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  CH-0331
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-156-672-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        257 CACCTCTCCTCCGCCG 272
              ||||| ||||||||||
Db          5 CACCTATCCTCCGCCG 20


RESULT 1355
US-08-461-599-10
; Sequence 10, Application US/08461599
; Patent No. 5658777
;  GENERAL INFORMATION:
;    APPLICANT:  FUJII, Toshio
;    APPLICANT:  IWAMATSU, Akihiro
;    APPLICANT:  YOSHIMOTO, Hiroyuki
;    APPLICANT:  MINETOKI, Toshitaka
;    APPLICANT:  BOGAKI, Takayuki
;    APPLICANT:  NAGASAWA, Naoshi
;    TITLE OF INVENTION:  ALCOHOL ACETYLTRANSFERASE GENES AND USE
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington, D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,599
;      FILING DATE:  05-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/077,939
;      FILING DATE:  18-JUN-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 62997/1993
;      FILING DATE:  26-FEB-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 184328/1992
;      FILING DATE:  18-JUN-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  49441/105 KYPA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-461-599-10

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   60.0%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        194 AAGTACGAAGAGGACTGCGA 213
              ||:||:||:||:||:| : |
Db          1 AARTAYGARGARGAYTAYCA 20


RESULT 1356
US-08-461-621-10
; Sequence 10, Application US/08461621
; Patent No. 5686284
;  GENERAL INFORMATION:
;    APPLICANT:  FUJII, Toshio
;    APPLICANT:  IWAMATSU, Akihiro
;    APPLICANT:  YOSHIMOTO, Hiroyuki
;    APPLICANT:  MINETOKI, Toshitaka
;    APPLICANT:  BOGAKI, Takayuki
;    APPLICANT:  NAGASAWA, Naoshi
;    TITLE OF INVENTION:  ALCOHOL ACETYLTRANSFERASE GENES AND USE
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Foley & Lardner
;       STREET:  3000 K Street, N.W., Suite 500
;       CITY:  Washington, D.C.
;       COUNTRY:  USA
;       ZIP:  20007-5109
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/461,621
;       FILING DATE:  05-JUN-1995
;       CLASSIFICATION:  424
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/077,939
;       FILING DATE:  18-JUN-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  JP 62997/1993
;       FILING DATE:  26-FEB-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  JP 184328/1992
;       FILING DATE:  18-JUN-1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BENT, Stephen A.
;       REGISTRATION NUMBER:  29,768
;       REFERENCE/DOCKET NUMBER:  49441/103 KYPA
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202)672-5300
;       TELEFAX:  (202)672-5399
;       TELEX:  904136
;   INFORMATION FOR SEQ ID NO:  10:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-461-621-10

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   60.0%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        194 AAGTACGAAGAGGACTGCGA 213
              ||:||:||:||:||:| : |
Db          1 AARTAYGARGARGAYTAYCA 20


RESULT 1357
US-08-471-601-5/c
; Sequence 5, Application US/08471601
; Patent No. 5689049
;  GENERAL INFORMATION:
;    APPLICANT:  CIGAN, Andrew M.
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/471,601
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/351,899
;      FILING DATE:  08-DEC-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/341/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-471-601-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        643 GGGCCTGGCCGAGAAC 658
              |||||||||||||| |
Db         17 GGGCCTGGCCGAGATC 2


RESULT 1358
US-08-474-556-5/c
; Sequence 5, Application US/08474556
; Patent No. 5689051
;  GENERAL INFORMATION:
;    APPLICANT:  CIGAN, Andrew M.
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/474,556
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/351,899
;      FILING DATE:  08-DEC-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/329/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-474-556-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
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```
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        643 GGGCCTGGCCGAGAAC 658
              ||||||||||||||| |
Db         17 GGGCCTGGCCGAGATC 2


RESULT 1359
US-08-465-334-10
; Sequence 10, Application US/08465334
; Patent No. 5728412
;  GENERAL INFORMATION:
;    APPLICANT:  FUJII, Toshio
;    APPLICANT:  IWAMATSU, Akihiro
;    APPLICANT:  YOSHIMOTO, Hiroyuki
;    APPLICANT:  MINETOKI, Toshitaka
;    APPLICANT:  BOGAKI, Takayuki
;    APPLICANT:  NAGASAWA, Naoshi
;    TITLE OF INVENTION:  ALCOHOL ACETYLTRANSFERASE GENES AND USE
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington, D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,334
;      FILING DATE:  05-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/077,939
;      FILING DATE:  18-JUN-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 62997/1993
;      FILING DATE:  26-FEB-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 184328/1992
;      FILING DATE:  18-JUN-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  49441/101 KYPA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-465-334-10

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   60.0%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        194 AAGTACGAAGAGGACTGCGA 213
              ||:||:||:||:||:| : |
Db          1 AARTAYGARGARGAYTAYCA 20


RESULT 1360
US-08-351-899-5/c
; Sequence 5, Application US/08351899
; Patent No. 5750868
;  GENERAL INFORMATION:
;    APPLICANT:  CIGAN, Andrew M.
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/351,899
;      FILING DATE:  08-DEC-1994
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/208/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-351-899-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        643 GGGCCTGGCCGAGAAC 658
              ||||||||||||||| |
Db         17 GGGCCTGGCCGAGATC 2


RESULT 1361
US-08-479-382-5/c
; Sequence 5, Application US/08479382
; Patent No. 5763243
;  GENERAL INFORMATION:
;    APPLICANT:  CIGAN, Andrew M.
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,382
```

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;       FILING DATE:  07-JUN-1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/351,899
;       FILING DATE:  08-DEC-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BENT, Stephen A.
;       REGISTRATION NUMBER:  29,768
;       REFERENCE/DOCKET NUMBER:  33229/339/PIHI
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202)672-5300
;       TELEFAX:  (202)672-5399
;       TELEX:  904136
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-479-382-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        643 GGGCCTGGCCGAGAAC 658
              ||||||||||||||| |
Db         17 GGGCCTGGCCGAGATC 2


RESULT 1362
US-08-470-354-5/c
; Sequence 5, Application US/08470354
; Patent No. 5792853
;  GENERAL INFORMATION:
;    APPLICANT:  CIGAN, Andrew M.
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/470,354
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/351,899
;      FILING DATE:  08-DEC-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/337/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-470-354-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        643 GGGCCTGGCCGAGAAC 658
              ||||||||||||||| |
Db         17 GGGCCTGGCCGAGATC 2


RESULT 1363
US-08-479-383-5/c
; Sequence 5, Application US/08479383
; Patent No. 5795753
;  GENERAL INFORMATION:
;    APPLICANT:  CIGAN, Andrew M.
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,383
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/351,899
;      FILING DATE:  08-DEC-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/340/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-479-383-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        643 GGGCCTGGCCGAGAAC 658
              ||||||||||||||| |
Db         17 GGGCCTGGCCGAGATC 2


RESULT 1364
US-08-465-485A-28
; Sequence 28, Application US/08465485A
; Patent No. 5831066
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, John
;    TITLE OF INVENTION:  Regulation of bcl-2 Gene Expression
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
```

```
;       STREET:  1755 S. Jefferson Davis Hwy., Suite 400
;       CITY:  Arlington
;       STATE:  Virginia
;       COUNTRY:  U.S.A.
;       ZIP:  22202
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/465,485A
;       FILING DATE:  05-JUN-1995
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/124,256
;       FILING DATE:  20-SEP-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/840,716
;       FILING DATE:  21-FEB-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/288,692
;       FILING DATE:  22-DEC-1988
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Fortney, Andrew D.
;       REGISTRATION NUMBER:  34,600
;       REFERENCE/DOCKET NUMBER:  3335-070-55 CONT
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (408) 436-2070
;       TELEFAX:  (408) 436-2075
;   INFORMATION FOR SEQ ID NO:  28:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Other nucleic acid;
;       DESCRIPTION:  Synthetic DNA
;     ANTI-SENSE:  YES
;     FEATURE:
;       NAME/KEY:  Modified_base
;       LOCATION:  18..19
;       OTHER INFORMATION:  Last two internucleoside linkages are
;       OTHER INFORMATION:  phosphorothioates
US-08-465-485A-28

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         54 GCGGGGGCGGCGGCAG 69
              |||| ||||||||||||
Db          2 GCGGCGGCGGCGGCAG 17


RESULT 1365
US-08-479-041-5/c
; Sequence 5, Application US/08479041
; Patent No. 5837851
;  GENERAL INFORMATION:
;    APPLICANT:  CIGAN, Andrew M.
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,041
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/351,899
;      FILING DATE:  08-DEC-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/338/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-479-041-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        643 GGGCCTGGCCGAGAAC 658
              |||||||||||||| |
Db         17 GGGCCTGGCCGAGATC 2


RESULT 1366
US-08-702-105A-35
; Sequence 35, Application US/08702105A
; Patent No. 5908839
;  GENERAL INFORMATION:
;    APPLICANT:  Levitt, Roy C.
;    APPLICANT:  Maloy, W. Lee
;    APPLICANT:  Kari, U. Prasad
;    APPLICANT:  Nicolaides, Nicholas C.
;    TITLE OF INVENTION:  Asthma Associated Factors As Targets For
;    TITLE OF INVENTION:  Treating Atopic Allergies Including Asthma And Related
;    TITLE OF INVENTION:  Disorders
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner L.L.P.
;      STREET:  1300 I Street N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/702,105A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/874,503
;      FILING DATE:  13-JUN-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fordis, Jean B.
;      REGISTRATION NUMBER:  32984
;      REFERENCE/DOCKET NUMBER:  05387.0056-01000
;    TELECOMMUNICATION INFORMATION:
```

```
;       TELEPHONE:  (202) 408-4000
;       TELEFAX:  (202) 408-4400
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-702-105A-35

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1641 TTAAAGAGCCTTCACT 1656
                ||||||||| ||||||
Db          5 TTAAAGAGCATTCACT 20


RESULT 1367
US-08-702-110A-35
; Sequence 35, Application US/08702110A
; Patent No. 6037149
;  GENERAL INFORMATION:
;    APPLICANT:  Levitt, Roy C.
;    APPLICANT:  Maloy, W. Lee
;    APPLICANT:  Kari, U. Prasad
;    APPLICANT:  Nicolaides, Nicholas C.
;    TITLE OF INVENTION:  Asthma Associated Factors As Targets For
;    TITLE OF INVENTION:  Treating Atopic Allergies Including Asthma And Related
;    TITLE OF INVENTION:  Disorders
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner L.L.P.
;      STREET:  1300 I Street N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/702,110A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/874,503
;      FILING DATE:  13-JUN-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fordis, Jean B.
;      REGISTRATION NUMBER:  32984
;      REFERENCE/DOCKET NUMBER:  05387.0056-01000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 408-4000
;      TELEFAX:  (202) 408-4400
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-702-110A-35

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1641 TTAAAGAGCCTTCACT 1656
                ||||||||| ||||||
Db          5 TTAAAGAGCATTCACT 20


RESULT 1368
US-09-080-285-28
; Sequence 28, Application US/09080285
; Patent No. 6040181
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, John
;    TITLE OF INVENTION:  Regulation of bcl-2 Gene Expression
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 S. Jefferson Davis Hwy., Suite 400
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/080,285
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/465,485
;      FILING DATE:  05-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/124,256
;      FILING DATE:  20-SEP-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/840,716
;      FILING DATE:  21-FEB-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/288,692
;      FILING DATE:  22-DEC-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fortney, Andrew D.
;      REGISTRATION NUMBER:  34,600
;      REFERENCE/DOCKET NUMBER:  3335-070-55 CONT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (408) 436-2070
;      TELEFAX:  (408) 436-2075
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid;
;      DESCRIPTION:  Synthetic DNA
;    ANTI-SENSE:  YES
;    FEATURE:
;      NAME/KEY:  Modified_base
;      LOCATION:  18..19
;      OTHER INFORMATION:  Last two internucleoside linkages are
;      OTHER INFORMATION:  phosphorothioates
US-09-080-285-28

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         54 GCGGGGGCGGCGGCAG 69
              |||| ||||||||||
Db          2 GCGGCGGCGGCGGCAG 17
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RESULT 1369
US-08-467-023-166
; Sequence 166, Application US/08467023
; Patent No. 6090386
;  GENERAL INFORMATION:
;    APPLICANT:  Griffeth, Irwin J.;
;    APPLICANT:  Pollock, Joanne;
;    APPLICANT:  Bond, Julian F.;
;    APPLICANT:  Garman, Richard D;
;    APPLICANT:  Kuo, Mei-Chang;
;    APPLICANT:  Yeung, Siu-mei H.;
;    APPLICANT:  Brauer, Andrew;
;    APPLICANT:  Exley, Mark A.;
;    APPLICANT:  Powers, Steven P.
;    TITLE OF INVENTION:  Allergenic Proteins And Peptides From
;    TITLE OF INVENTION:  Japanese Cedar Pollen
;    NUMBER OF SEQUENCES:  261
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ImmuLogic Pharmaceutical Corporation, Inc.
;      STREET:  610 Lincoln St
;      CITY:  Waltham
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/467,023
;      FILING DATE:  June 6, 1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/350,225
;      FILING DATE:  December 6, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane E. Remillard
;      REGISTRATION NUMBER:  38,872
;      REFERENCE/DOCKET NUMBER:  025.6 USD2 (IMI-028CPD2)
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 227-7400
;      TELEFAX:  (617) 227-5941
;  INFORMATION FOR SEQ ID NO:  166:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-467-023-166

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2303 AGGCACGAAGCAATTT 2318
                ||||| ||||||||||
Db          1 AGGCAGGAAGCAATTT 16


RESULT 1370
US-09-087-194-13
; Sequence 13, Application US/09087194
; Patent No. 6159718
;  GENERAL INFORMATION:
;    APPLICANT:  Dalboege, Henrik
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Heldt-Hansen, Hans P.
;    APPLICANT:  Halkier, Torben
;    TITLE OF INVENTION:  An Enzyme With Polygalacturonase
;    TITLE OF INVENTION:  Activity
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6159718o No. 6159718disk of No. 6159718th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/087,194
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/448,624
;      FILING DATE:  06-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  3921.204-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-087-194-13

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        731 GATCAGACAGTCATTC 746
                ||||||||| ||||||
Db          2 GATCAGACACTCATTC 17


RESULT 1371
US-09-021-701-554
; Sequence 554, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
```

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;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  554:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-554

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTAAC 2189
                ||||||  |||||||||
Db          5 TTTTTTCTTTTTTAAC 20


RESULT 1372
US-09-021-701-555
; Sequence 555, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  555:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-555

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTAAC 2189
                ||||||  |||||||||
Db          4 TTTTTTCTTTTTTAAC 19


RESULT 1373
US-09-021-701-556
; Sequence 556, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  556:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-556

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTAAC 2189
                ||||||  |||||||||
Db          3 TTTTTTCTTTTTTAAC 18


RESULT 1374
US-09-021-701-557
; Sequence 557, Application US/09021701
```

```
; Patent No. 6251588
; GENERAL INFORMATION:
;   APPLICANT:  Shannon, Karen W.
;   APPLICANT:  Wolber, Paul K.
;   APPLICANT:  Delenstarr, Glenda C.
;   APPLICANT:  Webb, Peter G.
;   APPLICANT:  Kincaid, Robert H.
;   TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;   TITLE OF INVENTION:  probe sequences
;   NUMBER OF SEQUENCES:  1165
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;     STREET:  3000 Hanover Street
;     CITY:  Palo Alto
;     STATE:  CA
;     COUNTRY:  USA
;     ZIP:  94304
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/09/021,701
;     FILING DATE:  10-FEB-1998
;     CLASSIFICATION:
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Choi, Wendy A.
;     REGISTRATION NUMBER:  36,697
;     REFERENCE/DOCKET NUMBER:  10971464-1
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  650-236-2386
;     TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  557:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  20 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  cDNA
;   HYPOTHETICAL:  NO
;   ANTI-SENSE:  NO
US-09-021-701-557

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTAAC 2189
                ||||||  |||||||||
Db          2 TTTTTTCTTTTTTAAC 17


RESULT 1375
US-09-325-571-35
; Sequence 35, Application US/09325571
; Patent No. 6261559
; GENERAL INFORMATION:
;   APPLICANT:  Levitt, Roy C.
;   APPLICANT:  Maloy, W. Lee
;   APPLICANT:  Kari, U. Prasad
;   APPLICANT:  Nicolaides, Nicholas C.
;   TITLE OF INVENTION:  Asthma Associated Factors As Targets For
;   TITLE OF INVENTION:  Treating Atopic Allergies Including Asthma And Related
;   TITLE OF INVENTION:  Disorders
;   NUMBER OF SEQUENCES:  41
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;     ADDRESSEE:  Dunner L.L.P.
;     STREET:  1300 I Street N.W., Suite 700
;     CITY:  Washington
;     STATE:  D.C.
;     COUNTRY:  USA
;     ZIP:  20005-3315
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/09/325,571
;     FILING DATE:
;     CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US 08/874,503
;     FILING DATE:  13-JUN-1997
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Fordis, Jean B.
;     REGISTRATION NUMBER:  32984
;     REFERENCE/DOCKET NUMBER:  05387.0056-01000
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (202) 408-4000
;     TELEFAX:  (202) 408-4400
;  INFORMATION FOR SEQ ID NO:  35:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  20 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  DNA (genomic)
US-09-325-571-35

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1641 TTAAAGAGCCTTCACT 1656
                ||||||||| ||||||
Db          5 TTAAAGAGCATTCACT 20


RESULT 1376
US-09-489-868A-39/c
; Sequence 39, Application US/09489868A
; Patent No. 6265216
; GENERAL INFORMATION:
;  APPLICANT:    C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF COT ONCOGENE EXPRESSION
;  FILE REFERENCE:    RTS-0113
;  CURRENT APPLICATION NUMBER: US/09/489,868A
;  CURRENT FILING DATE:  2000-01-20
;  NUMBER OF SEQ ID NOS:    89
; SEQ ID NO 39
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-489-868A-39

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1490 CTGGAGAAAATGGAGA 1505
                ||||||||| ||||||
Db         17 CTGGAGAAACTGGAGA 2


RESULT 1377
US-08-819-646-5/c
; Sequence 5, Application US/08819646
; Patent No. 6281348
; GENERAL INFORMATION:
;   APPLICANT:  CIGAN, Andrew M.
```

```
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/819,646
;      FILING DATE:  17-MAR-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/474,556
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/351,899
;      FILING DATE:  08-DEC-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  33229/329/PIHI
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-819-646-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        643 GGGCCTGGCCGAGAAC 658
              ||||||||||||||| |
Db         17 GGGCCTGGCCGAGATC 2


RESULT 1378
US-08-473-319-5
; Sequence 5, Application US/08473319
; Patent No. 6303294
;  GENERAL INFORMATION:
;    APPLICANT:  Emanuel, Beverly S.
;    APPLICANT:  Budarf, Marcia L.
;    APPLICANT:  Driscoll, Deborah
;    TITLE OF INVENTION:  METHODS OF DETECTING GENETIC DELETIONS
;    TITLE OF INVENTION:  AND MUTATIONS ASSOCIATED WITH DIGEORGE SYNDROME,
;    TITLE OF INVENTION:  VELOCARDIOFACIAL SYNDROME, CHARGE ASSOCIATION, CONOTRUNCAL
;    TITLE OF INVENTION:  CARDIAC DEFECT, AND CLEFT PALATE AND PROBES USEFUL
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  WOODCOCK, WASHBURN, KURTZ, MACKIEWICZ &
;      ADDRESSEE:  NORRIS
;      STREET:  One Liberty Place, 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/473,319
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/770,758
;      FILING DATE:  04-OCT-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/911,534
;      FILING DATE:  10-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/156,672
;      FILING DATE:  22-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Yatko Trujillo, Doreen
;      REGISTRATION NUMBER:  35,719
;      REFERENCE/DOCKET NUMBER:  CH-0610
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-564-8352
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-473-319-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        257 CACCTCTCCTCCGCCG 272
              ||||| ||||||||||
Db          5 CACCTATCCTCCGCCG 20


RESULT 1379
US-09-195-716-5/c
; Sequence 5, Application US/09195716
; Patent No. 6399856
;  GENERAL INFORMATION:
;    APPLICANT:  CIGAN, Andrew M.
;    APPLICANT:  ALBERTSEN, Marc C.
;    TITLE OF INVENTION:  Reversible Nuclear Genetic System For
;    TITLE OF INVENTION:  Male Sterility In Transgenic Plants
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/195,716
;      FILING DATE:  19-NOV-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/819,646
;      FILING DATE:  17-MAR-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/474,556
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
```

```
;       APPLICATION NUMBER:  US 08/351,899
;       FILING DATE:  08-DEC-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  BENT, Stephen A.
;       REGISTRATION NUMBER:  29,768
;       REFERENCE/DOCKET NUMBER:  033229/0660
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202)672-5300
;       TELEFAX:  (202)672-5399
;       TELEX:  904136
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-195-716-5

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        643 GGGCCTGGCCGAGAAC 658
              ||||||||||||||| |
Db         17 GGGCCTGGCCGAGATC 2


RESULT 1380
US-09-724-426-28
; Sequence 28, Application US/09724426
; Patent No. 6414134
; GENERAL INFORMATION:
;  APPLICANT: Reed, John
;  TITLE OF INVENTION: Regulation of BCL-2 Gene Expression
;  FILE REFERENCE: 10412-024
;  CURRENT APPLICATION NUMBER: US/09/724,426
;  CURRENT FILING DATE:  2000-11-28
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-724-426-28

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         54 GCGGGGGCGGCGGCAG 69
              |||| ||||||||||||
Db          2 GCGGCGGCGGCGGCAG 17


RESULT 1381
US-09-657-452A-168
; Sequence 168, Application US/09657452A
; Patent No. 6426188
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHORYLASE KINASE ALPHA 1 EXPRESSION
;  FILE REFERENCE: RTS-0125
;  CURRENT APPLICATION NUMBER: US/09/657,452A
;  CURRENT FILING DATE:  2000-09-07
;  NUMBER OF SEQ ID NOS: 178
; SEQ ID NO 168
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-657-452A-168

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1462 CCAGAGTCCAGCTGAT 1477
              |||||||||||||  ||
Db          3 CCAGAGTCCAGCTCAT 18


RESULT 1382
US-09-676-610B-68
; Sequence 68, Application US/09676610B
; Patent No. 6444465
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HER-1 EXPRESSION
;  FILE REFERENCE: RTS-0138
;  CURRENT APPLICATION NUMBER: US/09/676,610B
;  CURRENT FILING DATE:  2000-09-29
;  NUMBER OF SEQ ID NOS: 182
; SEQ ID NO 68
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-676-610B-68

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1424 CTGATTGTCATAGACA 1439
              ||||||||  |||||||
Db          3 CTGATTGTGATAGACA 18


RESULT 1383
US-09-422-978-5320
; Sequence 5320, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5320
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-2347 for SEQ 1386,
US-09-422-978-5320

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
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Qy       2543 TTAAGAATTAAGAGGA 2558
              ||||||| ||||||||
Db          2 TTAAGAAGTAAGAGGA 17


RESULT 1384
US-09-422-978-11508
; Sequence 11508, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11508
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-8679 for SEQ 3643, in compleme
US-09-422-978-11508

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2160 TTCTCCTTTTTTTTT 2175
              ||||||| ||||||||
Db          1 TTCTCCTCTTTTTTT 16


RESULT 1385
US-09-198-452A-2672
; Sequence 2672, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2672
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2672

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1481 AACAAAACCCTGGAGA 1496
              ||||| ||||||||||
Db          5 AACAATACCCTGGAGA 20


RESULT 1386
US-09-198-452A-2845/c
; Sequence 2845, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2845
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2845

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        898 GGCTGAAGTACAGAGG 913
              ||||||||||||||| |
Db         20 GGCTGAAGTACAGAAG 5


RESULT 1387
US-09-198-452A-4828/c
; Sequence 4828, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4828
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-4828

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1567 AAAAATCCTTCTCCAC 1582
              ||||||||| ||||||
Db         20 AAAAATCCTCCTCCAC 5


RESULT 1388
US-09-198-452A-6111
; Sequence 6111, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6111
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6111
```

```
  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1556 AACAGGACTGCAAAAA 1571
              || ||||||||||||
Db          4 AAGAGGACTGCAAAAA 19


RESULT 1389
US-09-848-585-35
; Sequence 35, Application US/09848585
; Patent No. 6645492
; GENERAL INFORMATION:
;  APPLICANT: LEVITT, Roy Clifford
;  APPLICANT:  MALOY, W. Lee
;  APPLICANT:  KARI, U. Prasad
;  APPLICANT:  NICOLAIDES, Nicholas C.
;  TITLE OF INVENTION: Asthma Associated Factors As Targets For Treating Atopic Allergie
;  TITLE OF INVENTION:  Including Asthma And Related Disorders
;  FILE REFERENCE: 36870-5056-12-US
;  CURRENT APPLICATION NUMBER: US/09/848,585
;  CURRENT FILING DATE:  2001-05-04
;  PRIOR APPLICATION NUMBER: US 60/002,765
;  PRIOR FILING DATE: 1995-08-24
;  PRIOR APPLICATION NUMBER: US 08/697,419
;  PRIOR FILING DATE: 1996-08-23
;  PRIOR APPLICATION NUMBER: US 08/874,503
;  PRIOR FILING DATE: 1997-06-13
;  PRIOR APPLICATION NUMBER: US 09/325,571
;  PRIOR FILING DATE: 1999-06-04
;  NUMBER OF SEQ ID NOS: 44
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 35
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: PCR oligonucleotide primer
US-09-848-585-35

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1641 TTAAAGAGCCTTCACT 1656
              ||||||||| ||||||
Db          5 TTAAAGAGCATTCACT 20


RESULT 1390
US-09-980-052-189
; Sequence 189, Application US/09980052
; Patent No. 6670130
; GENERAL INFORMATION:
;  APPLICANT: KIM, Jeong Joon; SJ HIGHTECH Co., Ltd.
;  APPLICANT:  KIM, Cheol Min
;  APPLICANT:  PARK, Hee Kyung
;  TITLE OF INVENTION: Oligonucleotide for detection and identification of Mycobacteria
;  FILE REFERENCE: PP05020/PCT
;  CURRENT APPLICATION NUMBER: US/09/980,052
;  CURRENT FILING DATE:  2001-11-28
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019631
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019632
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019633
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019634
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-1999-0019635
;  PRIOR FILING DATE: 1999-05-29
;  PRIOR APPLICATION NUMBER: KR 10-2000-0018189
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 243
;  SOFTWARE: KopatentIn 1.71
; SEQ ID NO 189
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: sequence of probe or primer for detecting Mycobacterium
;   OTHER INFORMATION: farcinogen
US-09-980-052-189

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 20;
  Best Local Similarity   93.8%;  Pred. No. 1.8e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2105 GGGGGCCTTCTGGTTT 2120
              |||||||||| |||||
Db          2 GGGGGCCTTCGGGTTT 17


RESULT 1391
US-08-588-821-46/c
; Sequence 46, Application US/08588821
; Patent No. 5712097
;  GENERAL INFORMATION:
;    APPLICANT:  Kern, Scott E.
;    APPLICANT:  Hahn, Stephan A.
;    TITLE OF INVENTION:  NOVEL TUMOR SUPPRESSOR GENE, DPC4
;    NUMBER OF SEQUENCES:  91
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/588,821
;      FILING DATE:  19-JAN-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07265/079001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  46:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-588-821-46

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 21;
  Best Local Similarity   93.8%;  Pred. No. 2.1e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1483 CAAAACCCTGGAGAAA 1498
              |||||| |||||||||
Db         21 CAAAACTCTGGAGAAA 6


RESULT 1392
US-08-915-214-46/c
```

```
; Sequence 46, Application US/08915214
; Patent No. 5814457
;  GENERAL INFORMATION:
;    APPLICANT:  Kern, Scott E.
;    APPLICANT:  Hahn, Stephan A.
;    TITLE OF INVENTION:  NOVEL TUMOR SUPPRESSOR GENE, DPC4
;    NUMBER OF SEQUENCES:  91
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/915,214
;      FILING DATE:  20-AUG-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/588,821
;      FILING DATE:  19-JAN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07265/079001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  46:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-915-214-46

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 21;
  Best Local Similarity   93.8%;  Pred. No. 2.1e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1483 CAAAACCCTGGAGAAA 1498
              |||||| |||||||||
Db         21 CAAAACTCTGGAGAAA 6


RESULT 1393
US-09-005-532-46/c
; Sequence 46, Application US/09005532
; Patent No. 5955292
;  GENERAL INFORMATION:
;    APPLICANT:  Kern, Scott E.
;    APPLICANT:  Hahn, Stephan A.
;    TITLE OF INVENTION:  NOVEL TUMOR SUPPRESSOR GENE, DPC4
;    NUMBER OF SEQUENCES:  91
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/005,532
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/588,821
;      FILING DATE:  19-JAN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07265/079001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  46:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-005-532-46

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 21;
  Best Local Similarity   93.8%;  Pred. No. 2.1e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1483 CAAAACCCTGGAGAAA 1498
              |||||| |||||||||
Db         21 CAAAACTCTGGAGAAA 6


RESULT 1394
US-09-045-054-34/c
; Sequence 34, Application US/09045054
; Patent No. 6200754
; GENERAL INFORMATION:
;  APPLICANT: HOUSMAN, DAVID E.
;  APPLICANT: LEDLEY, FRED D.
;  APPLICANT: STANTON, VINCENT P., JR.
;  TITLE OF INVENTION: INHIBITORS OF ALTERNATIVE ALLELES OF GENES ENCODING
;  TITLE OF INVENTION: PRODUCTS THAT MEDIATE CELL RESPONSE TO ENVIRONMENTAL
;  TITLE OF INVENTION: CHANGES
;  FILE REFERENCE: 233/055
;  CURRENT APPLICATION NUMBER: US/09/045,054
;  CURRENT FILING DATE: 1998-03-19
;  NUMBER OF SEQ ID NOS: 44
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 34
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Glutamate-ammonia ligase (glutamine synthase)
;   FEATURE:
;   OTHER INFORMATION: The letter "r" stands for a or g.
US-09-045-054-34

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 21;
  Best Local Similarity   83.3%;  Pred. No. 2.1e+03;
  Matches   15;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2170 TTTTTTTTTTTTTTTTTA 2187
              |||||||||:|| | |||
Db         21 TTTTTTTTTYTTATGTTA 4


RESULT 1395
US-09-586-546-6/c
; Sequence 6, Application US/09586546
; Patent No. 6528632
; GENERAL INFORMATION:
;  APPLICANT: Catanzariti, Luigi
;  APPLICANT:  Kluttz, Bryan W
```

```
;  APPLICANT:  Vera-Garcia, Marcela
;  APPLICANT:  Burg, J L
;  APPLICANT:  Moe, James G
;  APPLICANT:  McKinley, Geoff A
;  TITLE OF INVENTION: Improved Nucleic Acid Assays
;  FILE REFERENCE: 97,195N
;  CURRENT APPLICATION NUMBER: US/09/586,546
;  CURRENT FILING DATE:  1997-05-02
;  PRIOR APPLICATION NUMBER: 08/850,171
;  PRIOR FILING DATE: 1997-05-02
;  NUMBER OF SEQ ID NOS: 51
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Randomly generated nucleic acid molecule
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: Ran6
US-09-586-546-6

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 21;
  Best Local Similarity   93.8%;  Pred. No. 2.1e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2394 ATTTATGCGTAATTTA 2409
              ||||||||||| |||||
Db         18 ATTTATGCGTCATTTA 3


RESULT 1396
US-09-294-764-1
; Sequence 1, Application US/09294764
; Patent No. 6569423
; GENERAL INFORMATION:
;  APPLICANT: Weinstein, David E.
;  TITLE OF INVENTION: METHODS OF INDUCING NERVOUS TISSUE REGENERATION
;  FILE REFERENCE: 96700/496
;  CURRENT APPLICATION NUMBER: US/09/294,764
;  CURRENT FILING DATE:  1999-04-19
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-294-764-1

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 21;
  Best Local Similarity   93.8%;  Pred. No. 2.1e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1576 TCTCCACCGCACAGAC 1591
              |||||||| |||||||
Db          6 TCTCCACCCCACAGAC 21


RESULT 1397
US-09-382-552-171/c
; Sequence 171, Application US/09382552
; Patent No. 6673909
; GENERAL INFORMATION:
;  APPLICANT: Brown, Jr., Robert H.
;  APPLICANT: Liu, Jing
;  APPLICANT: Aoki, Masashi
;  APPLICANT: Ho, Meng
;  APPLICANT: Matsuda-Asada, Chie
;  TITLE OF INVENTION: DYSFERLIN, A GENE MUTATED IN DISTAL MYOPATHY AND LIMB
;  TITLE OF INVENTION: GIRDLE MUSCULAR DYSTROPHY
;  FILE REFERENCE: 00786/399002
;  CURRENT APPLICATION NUMBER: US/09/382,552
;  CURRENT FILING DATE: 1999-08-25
;  EARLIER APPLICATION NUMBER: US 60/097,927
;  EARLIER FILING DATE: 1998-08-25
;  NUMBER OF SEQ ID NOS: 233
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 171
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-382-552-171

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 21;
  Best Local Similarity   93.8%;  Pred. No. 2.1e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        543 CCCACCTCTCCGGGCT 558
              |||||||||||| ||||
Db         21 CCCACCTCTCCTGGCT 6


RESULT 1398
US-08-117-952-287/c
; Sequence 287, Application US/08117952
; Patent No. 5851760
;  GENERAL INFORMATION:
;    APPLICANT:  Evans, Glen A.
;    APPLICANT:  Smith, Michael W.
;    TITLE OF INVENTION:  METHOD FOR GENERATION OF SEQUENCE
;    TITLE OF INVENTION:  SAMPLED MAPS OF COMPLEX GENOMES
;    NUMBER OF SEQUENCES:  797
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pretty, Schroeder, Brueggemann & Clark
;      STREET:  444 South Flower Street, Suite 2000
;      CITY:  Los Angeles
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/117,952
;      FILING DATE:  07-SEP-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/078,471
;      FILING DATE:  15-JUN-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reiter, Stephen E.
;      REGISTRATION NUMBER:  31,192
;      REFERENCE/DOCKET NUMBER:  P41 9423
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-546-4737
;      TELEFAX:  619-546-9392
;  INFORMATION FOR SEQ ID NO:  287:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Oligonucleotide
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-117-952-287

  Query Match             0.5%;  Score 14.4;  DB 1;  Length 22;
  Best Local Similarity   93.8%;  Pred. No. 2.3e+03;
  Matches   15;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2444 CTTTTTTGAGACATGG 2459
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                     ||||||||||||| ||
Db          21 CTTTTTTGAGACAGGG 6


RESULT 1399
US-08-882-649A-8
; Sequence 8, Application US/08882649A
; Patent No. 6344316.
;  GENERAL INFORMATION:
;       APPLICANT: Lockhart, David J.
;                  Chee, Mark
;                  Gunderson, Kevin
;                  Chaoqiang, Lai
;                  Wodicka, Lisa
;                  Cronin, Maureen T.
;                  Lee, Danny
;                  Tran, Huu M.
;                  Matsuzaki, Hajime
;                  McGall, Glenn H.
;       TITLE OF INVENTION: NUCLEIC ACID ANALYSIS TECHNIQUES
;       NUMBER OF SEQUENCES: 32
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Joe Liebeschuetz
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/882,649A
;            FILING DATE: 25-Jun-1997
;            CLASSIFICATION: 435-006.000
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 60/010,471
;            FILING DATE: 23-JAN-1996
;            APPLICATION NUMBER: US 60/035,170
;            FILING DATE: 09-JAN-1997
;            APPLICATION NUMBER: PCT/US97/01603
;            FILING DATE: 22-JAN-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Liebeschuetz, Joe
;            REGISTRATION NUMBER: 37,505
;            REFERENCE/DOCKET NUMBER: 018547-019410US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;  INFORMATION FOR SEQ ID NO: 8:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       HYPOTHETICAL: YES
;                     (ix)  Features:
;       SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-08-882-649A-8

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 16;
  Best Local Similarity  93.3%;  Pred. No. 1e+03;
  Matches   14;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTT 2179
              :|||||||||||||||
Db          2 VTTTTTTTTTTTTTT 16


RESULT 1400
```

```
US-08-222-177A-193/c
; Sequence 193, Application US/08222177A
; Patent No. 5582979
;  GENERAL INFORMATION:
;    APPLICANT:  Weber, James L.
;    TITLE OF INVENTION:  LENGTH POLYMORPHISMS IN
;    TITLE OF INVENTION:  (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
;    NUMBER OF SEQUENCES:  460
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DeWitt Ross & Stevens, S.C.
;      STREET:  8000 Excelsior Drive, Suite 401
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53717-1914
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/222,177A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/341,562
;      FILING DATE:  21-APR-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sara, Charles S.
;      REGISTRATION NUMBER:  30,492
;      REFERENCE/DOCKET NUMBER:  09865.601
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 831-2100
;      TELEFAX:  (608) 831-2106
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  193:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  mfd48p1
US-08-222-177A-193

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity  84.2%;  Pred. No. 1.7e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1727 CTATTATCAGAAGGTGACA 1745
              ||||| |||| ||| ||||
Db         19 CTATTCTCAGCAGGAGACA 1


RESULT 1401
US-08-899-029-1
; Sequence 1, Application US/08899029
; Patent No. 6143531
;  GENERAL INFORMATION:
;    APPLICANT:  HUSE, WILLIAM D.
;    TITLE OF INVENTION:  IMPROVED METHOD OF DOUBLE
;    TITLE OF INVENTION:  STRANDED DNA SYNTHESIS
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds, LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York,
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
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;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/899,029
;       FILING DATE:  22-JUL-1997
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/116,049
;       FILING DATE:  02-SEP-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Abrams, Samuel B
;       REGISTRATION NUMBER:  30,605
;       REFERENCE/DOCKET NUMBER:  8142-125-999
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  212-790-9090
;       TELEFAX:  212-869-9741
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  unknown
US-08-899-029-1

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 1.7e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTTT 2180
              |||   ||||||||||||
Db             1 CTCGAGTTTTTTTTTTTT 19


RESULT 1402
US-09-345-882-102/c
; Sequence 102, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
;  TITLE OF INVENTION:  AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
;  FILE REFERENCE: GENSET.031A
;  CURRENT APPLICATION NUMBER: US/09/345,882
;  CURRENT FILING DATE:  1999-06-30
;  PRIOR APPLICATION NUMBER: US 60/091,315
;  PRIOR FILING DATE: 1998-06-30
;  PRIOR APPLICATION NUMBER: US 60/111,909
;  PRIOR FILING DATE: 1998-12-10
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: Patent.pm
; SEQ ID NO 102
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: microsequencing oligo for 5-124-273.mis1
US-09-345-882-102

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 1.7e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2533 ATACAGGGTATTAAGAATT 2551
              ||  |||||||||||| |
Db            19 ATCTAGGGTATTAAGAAGT 1


RESULT 1403
US-09-422-978-6228/c
; Sequence 6228, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6228
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-10216 for SEQ 2294,
US-09-422-978-6228

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 19;
  Best Local Similarity   84.2%;  Pred. No. 1.7e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1231 CCAGCAACTGTGTAAAGAA 1249
              |||| || |||| ||||||
Db            19 CCAGTAATTGTGCAAAGAA 1


RESULT 1404
US-08-765-340-10
; Sequence 10, Application US/08765340
; Patent No. 6150092
;  GENERAL INFORMATION:
;    APPLICANT:  UCHIDA, K.,
;    APPLICANT:  UCHIDA, T.,
;    APPLICANT:  TANAKA, Y.,
;    APPLICANT:  MATSUDA, Y.,
;    APPLICANT:  KONDO, S.
;    TITLE OF INVENTION:  AN ANTISENSE NUCLEIC ACID
;    TITLE OF INVENTION:  COMPOUND
;    NUMBER OF SEQUENCES:  185
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN, L.L.P.
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/765,340
;      FILING DATE:  23-DEC-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 145146/94
;      FILING DATE:  27-JUN-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 311130/94
;      FILING DATE:  21-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SERUNIAN, LESLIE
```

```
;       REGISTRATION NUMBER:  35,353
;       REFERENCE/DOCKET NUMBER:  1452-4005
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 758-4800
;       TELEFAX:  (212) 751-6849
;   INFORMATION FOR SEQ ID NO:  10:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  /desc = "synthetic DNA"
US-08-765-340-10

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||| ||||| || ||
Db          1 AAAAAAACAAAAACAACAA 19


RESULT 1405
US-09-823-634A-18
; Sequence 18, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02025
US-09-823-634A-18

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||  | |||||||
Db          2 AAAAAAAATTATAAAAAAA 20


RESULT 1406
US-09-823-647B-18
; Sequence 18, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02025
US-09-823-647B-18

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||  | |||||||
Db          2 AAAAAAAATTATAAAAAAA 20


RESULT 1407
US-08-813-508-5
; Sequence 5, Application US/08813508
; Patent No. 5856104
;  GENERAL INFORMATION:
;    APPLICANT:  Chee, Mark
;    APPLICANT:  Pan, Jian-Bing
;    TITLE OF INVENTION:  Polymorphisms in the Glucose-6 Phosphate
;    TITLE OF INVENTION:  Dehydrogenase Locus
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcader Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/813,508
;      FILING DATE:  07-MAR-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/029,374
;      FILING DATE:  28-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Liebeschuetz, Joe O.
;      REGISTRATION NUMBER:  37,505
;      REFERENCE/DOCKET NUMBER:  018547-030200US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-813-508-5

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2718 GTAAATGTTCCCCAAATAA 2736
              ||||||| ||  |||||||
Db          1 GTAAATGCTCTGCAAATAA 19


RESULT 1408
US-08-889-296A-20/c
; Sequence 20, Application US/08889296A
; Patent No. 5872242
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  Monia, B.P., Cowsert, L.M. and Manoharan, M.
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Inhibition of ras
;    NUMBER OF SEQUENCES:  55
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/889,296A
;      FILING DATE:  herewith
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/411,734
;      FILING DATE:  April 3, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/09346
;      FILING DATE:  October 1, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  958,134
;      FILING DATE:  October 5, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/007,996
;      FILING DATE:  January 21, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0213
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-889-296A-20

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              || |||| ||||| |||||
Db         19 GCCGCGGCGGCGGAGGCAG 1


RESULT 1409
US-08-910-629A-20
; Sequence 20, Application US/08910629A
; Patent No. 5877309
;  GENERAL INFORMATION:
;    APPLICANT:  Robert A. McKay
;    APPLICANT:  Nicholas M. Dean
;    APPLICANT:  Brett Monia
;    TITLE OF INVENTION:  ANTISENSE OLIGONUCLEOTIDE
;    TITLE OF INVENTION:  COMPOSITONS AND METHODS FOR THE MODULATION OF JNK
;    TITLE OF INVENTION:  PROTEINS
;    NUMBER OF SEQUENCES:  86
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB
;      MEDIUM TYPE:  STORAGE
;      COMPUTER:  PENTIUM
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/910,629A
;      FILING DATE:  August 13, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0215
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-910-629A-20

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        813 CCGTAATGAACCCCACTGA 831
              || ||||| ||||||| ||
Db          2 CCATAATGCACCCCACAGA 20


RESULT 1410
US-08-848-840A-20/c
; Sequence 20, Application US/08848840A
; Patent No. 5965722
;  GENERAL INFORMATION:
;    APPLICANT:  Monia, et al.
;    TITLE OF INVENTION:  ANTISENSE INHIBITION OF ras GENE WITH
;    TITLE OF INVENTION:  CHIMERIC AND ALTERNATING OLIGONUCLEOTIDES
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5965722ris LLP
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/848,840A
;      FILING DATE:  30-APR-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/317,289
;      FILING DATE:  03-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/794,493
;      FILING DATE:  04-FEB-1997
```

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;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/335,046
;       FILING DATE:  07-NOV-1994
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/488,256
;       FILING DATE:  07-JUN-1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/465,866
;       FILING DATE:  06-JUN-1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/468,037
;       FILING DATE:  06-JUN-1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/411,734
;       FILING DATE:  03-APR-1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/227,180
;       FILING DATE:  13-APR-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Joseph Lucci
;       REGISTRATION NUMBER:  33,307
;       REFERENCE/DOCKET NUMBER:  ISIS-2458
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  215-568-3100
;       TELEFAX:  215-568-3439
;   INFORMATION FOR SEQ ID NO:  20:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 bases
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;
US-08-848-840A-20

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              || |||| ||||| |||||
Db         19 GCCGCGGCGGCGGAGGCAG 1


RESULT 1411
US-08-888-982A-32/c
; Sequence 32, Application US/08888982A
; Patent No. 5981731
;  GENERAL INFORMATION:
;    APPLICANT:  Brett P. Monia
;    TITLE OF INVENTION:  Antisense Oligonucleotide Modulation
;    TITLE OF INVENTION:  of raf Gene Expression
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata, Esq.
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM 486
;      OPERATING SYSTEM:  WINDOWS FOR WORKGROUPS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/888,982A
;      FILING DATE:  Herewith
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/756,806
;      FILING DATE:  No. 5981731ember 26, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/07111
;      FILING DATE:  May 31, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/250,856
;      FILING DATE:  May 31, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0212
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  32:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-888-982A-32

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1531 AGAAAGGTTAGGAGAGTAG 1549
              ||| || | ||||||||||
Db         20 AGAGAGTTCAGGAGAGTAG 2


RESULT 1412
US-08-837-201C-38
; Sequence 38, Application US/08837201C
; Patent No. 5985558
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas M. Dean; Robert A. McKay; Loren J.
;    APPLICANT:  Miraglia; Brenda F. Baker
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Compositions and Methods for the Modulation of
;    TITLE OF INVENTION:  Activating Protein 1
;    NUMBER OF SEQUENCES:  139
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/837,201C
;      FILING DATE:  April 14, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0209
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 810-1515
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-837-201C-38
```

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  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        318 TCGCCGAATATCAGCCGCC 336
              ||||| ||  |||||||||
Db          2 TCGCCCAACTTCAGCCGCC 20


RESULT 1413
US-08-914-961-2/c
; Sequence 2, Application US/08914961
; Patent No. 6018042
;  GENERAL INFORMATION:
;    APPLICANT:  Mett, Helmut
;    APPLICANT:  Haner, Robert
;    APPLICANT:  Dean, Nicholas Mark
;    TITLE OF INVENTION:  Antitumor Antisense Oligonucleotides
;    NUMBER OF SEQUENCES:  16
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CIBA-GEIGY Corporation
;      STREET:  7 Skyline Drive
;      CITY:  Hawthorne
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10532
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII Editor
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/914,961
;      FILING DATE:  20-AUG-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/287,753
;      FILING DATE:  09-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Spruill, W. Murray
;      REGISTRATION NUMBER:  32,943
;      REFERENCE/DOCKET NUMBER:  4-20047/P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919) 541-8615
;      TELEFAX:  (919) 541-8689
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    ANTI-SENSE:  YES
;    POSITION IN GENOME:
;      MAP POSITION:  -80
;      UNITS:  bp
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  1..20
;      OTHER INFORMATION:  /note= "All nucleotides are of the
;      OTHER INFORMATION:  phosphorothioate type"
US-08-914-961-2

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              ||||||| ||| ||||| |
Db         20 GCGGCGGCGGCAGCGGCGG 2


RESULT 1414
US-09-289-267-101
; Sequence 101, Application US/09289267A
; Patent No. 6046320
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MDMX EXPRESSION
;  FILE REFERENCE: RTS-0049
;  CURRENT APPLICATION NUMBER: US/09/289,267A
;  CURRENT FILING DATE: 1999-04-04
;  NUMBER OF SEQ ID NOS: 166
; SEQ ID NO 101
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-289-267-101

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        222 ACGACGGGAGCAGCAATGG 240
              ||||| ||||| | |||||
Db          2 ACGACAGGAGCCGAAATGG 20


RESULT 1415
US-08-961-469A-28/c
; Sequence 28, Application US/08961469A
; Patent No. 6083923
;  GENERAL INFORMATION:
;    APPLICANT:  Greg Hardee, Richard Geary, Arthur Levin,
;    APPLICANT:  Mike Templin, Randy Howard, Rahul Mehta
;    TITLE OF INVENTION:  LIPOSOMAL OLIGONUCLEOTIDE COMPOSITIONS            FOR MO
;    NUMBER OF SEQUENCES:  61
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata, Esq.
;      STREET:  66 E. Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  PENTIUM
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/961,469A
;      FILING DATE:  October 31, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0219
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  609-779-2400
;      TELEFAX:  609-810-1454
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-961-469A-28
```

```
  Query Match          0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              || |||| ||||| |||||
Db         19 GCCGCGGCGGCGGAGGCAG 1


RESULT 1416
US-09-128-494-20/c
; Sequence 20, Application US/09128494
; Patent No. 6117848
; GENERAL INFORMATION:
;    APPLICANT:  Monia, B.P., Cowsert, L.M. and Manoharan, M.
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Inhibition of ras
;    NUMBER OF SEQUENCES:  55
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/128,494
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/889,296
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/411,734
;      FILING DATE:  April 3, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/09346
;      FILING DATE:  October 1, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  958,134
;      FILING DATE:  October 5, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/007,996
;      FILING DATE:  January 21, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0213
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-128-494-20

  Query Match          0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              || |||| ||||| |||||
Db         19 GCCGCGGCGGCGGAGGCAG 1


RESULT 1417
US-09-358-685-43/c
; Sequence 43, Application US/09358685
; Patent No. 6121047
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SHP-1 EXPRESSION
;  FILE REFERENCE: RTS-0081
;  CURRENT APPLICATION NUMBER: US/09/358,685
;  CURRENT FILING DATE: 1999-07-21
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 43
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-358-685-43

  Query Match          0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        495 AGGGAGCGGGGCTGCCCTC 513
              || |||||| |||| ||||
Db         19 AGTGAGCGGTGCTGTCCTC 1


RESULT 1418
US-09-418-641-57/c
; Sequence 57, Application US/09418641A
; Patent No. 6124133
; GENERAL INFORMATION:
;  APPLICANT: Jennifer K. Taylor
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF FRA-1 EXPRESSION
;  FILE REFERENCE: RTS-0105
;  CURRENT APPLICATION NUMBER: US/09/418,641A
;  CURRENT FILING DATE: 1999-10-15
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 57
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-418-641-57

  Query Match          0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        684 AGATGGACGAGGTGCAGAA 702
              |||| || ||| |||||||
Db         19 AGATTGAGGAGCTGCAGAA 1


RESULT 1419
US-09-287-796-20
; Sequence 20, Application US/09287796A
; Patent No. 6133246
; GENERAL INFORMATION:
;  APPLICANT: McKay, Robert A.
;  APPLICANT: Dean, Nicholas M.
;  APPLICANT: Monia, Brett
;  APPLICANT: Nero, Pam
;  APPLICANT: Gaarde, William A.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS
;  TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
;  FILE REFERENCE: ISPH-0350
;  CURRENT APPLICATION NUMBER: US/09/287,796A
```

```
;  CURRENT FILING DATE: 1999-04-07
;  EARLIER APPLICATION NUMBER: 09/130,616
;  EARLIER FILING DATE: 1998-08-07
;  EARLIER APPLICATION NUMBER: 08/910,629
;  EARLIER FILING DATE: 1997-08-03
;  NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-09-287-796-20

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        813 CCGTAATGAACCCCACTGA 831
              || ||||| ||||||| ||
Db          2 CCATAATGCACCCCACAGA 20


RESULT 1420
US-09-313-968-6
; Sequence 6, Application US/09313968
; Patent No. 6165724
; GENERAL INFORMATION:
;  APPLICANT: FUKUSHIMA, Shigeru
;  APPLICANT: TAKAOKA, Naoko
;  TITLE OF INVENTION: OLIGONUCLEOTIDES FOR DETECTING ENTERIC HEMORRHAGIC E.
;  TITLE OF INVENTION: COLI AND DETECTION METHOD USING THE SAME
;  FILE REFERENCE: 7424-9003
;  CURRENT APPLICATION NUMBER: US/09/313,968
;  CURRENT FILING DATE: 1999-05-19
;  EARLIER APPLICATION NUMBER: JP/10-149,749
;  EARLIER FILING DATE: 1998-05-29
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Escherichia coli
US-09-313-968-6

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2445 TTTTTTGAGACATGGGATC 2463
              | ||| ||||||||||| |
Db          2 TATTTGGAGACATGGGAGC 20


RESULT 1421
US-09-359-756-31/c
; Sequence 31, Application US/09359756
; Patent No. 6168950
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: William Gaarde
;  APPLICANT: Donna T. Ward
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK1 EXPRESSION
;  FILE REFERENCE: RTS-0077
;  CURRENT APPLICATION NUMBER: US/09/359,756
;  CURRENT FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 31
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-359-756-31

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2284 GAGTAAACTTGAAAAGGGT 2302
              ||| ||||| ||||||| |
Db         20 GAGAAAACTGGAAAAGGAT 2


RESULT 1422
US-09-407-675-2
; Sequence 2, Application US/09407675
; Patent No. 6169176
; GENERAL INFORMATION:
;  APPLICANT:  Bruice, Thomas C.
;  APPLICANT:  Arya, Dev P.
;  TITLE OF INVENTION:  DEOXYNUCLEIC ALKYL THIOUREA COMPOUNDS AND USES THEREOF
;  FILE REFERENCE:  30448.65US02
;  CURRENT APPLICATION NUMBER: US/09/407,675
;  CURRENT FILING DATE:  1999-09-28
;  PRIOR APPLICATION NUMBER:  09/347,443
;  PRIOR FILING DATE:  1999-07-02
;  PRIOR APPLICATION NUMBER:  60/091,481
;  PRIOR FILING DATE:  1998-07-02
;  PRIOR APPLICATION NUMBER:  60/111,800
;  PRIOR FILING DATE:  1998-12-11
;  NUMBER OF SEQ ID NOS:  5
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Oligo 2
US-09-407-675-2

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||| |||| |||| ||||
Db          2 AAAACAAAACAAAACAAAA 20


RESULT 1423
US-09-407-675-2/c
; Sequence 2, Application US/09407675
; Patent No. 6169176
; GENERAL INFORMATION:
;  APPLICANT:  Bruice, Thomas C.
;  APPLICANT:  Arya, Dev P.
;  TITLE OF INVENTION:  DEOXYNUCLEIC ALKYL THIOUREA COMPOUNDS AND USES THEREOF
;  FILE REFERENCE:  30448.65US02
;  CURRENT APPLICATION NUMBER: US/09/407,675
;  CURRENT FILING DATE:  1999-09-28
;  PRIOR APPLICATION NUMBER:  09/347,443
;  PRIOR FILING DATE:  1999-07-02
;  PRIOR APPLICATION NUMBER:  60/091,481
;  PRIOR FILING DATE:  1998-07-02
;  PRIOR APPLICATION NUMBER:  60/111,800
;  PRIOR FILING DATE:  1998-12-11
;  NUMBER OF SEQ ID NOS:  5
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Oligo 2
```

US-09-407-675-2

Query Match 0.5%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              |||| |||| |||| ||||
Db         20 TTTTGTTTTGTTTTGTTTT 2
```

RESULT 1424
US-09-488-671-82/c
; Sequence 82, Application US/09488671A
; Patent No. 6187545
; GENERAL INFORMATION:
; APPLICANT: Robert McKay
; APPLICANT: Madeline M. Butler
; APPLICANT: Jacqueline Wyatt
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF PEPCK-CYTOSOLIC EXPRESSION
; FILE REFERENCE: RTS-0123
; CURRENT APPLICATION NUMBER: US/09/488,671A
; CURRENT FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 177
; SEQ ID NO 82
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-488-671-82

Query Match 0.5%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        216 ATCGCCACGACGGGAGCAG 234
              ||| ||||  |||||||||
Db         19 ATCACCACACCGGGAGCAG 1
```

RESULT 1425
US-09-517-584A-54
; Sequence 54, Application US/09517584A
; Patent No. 6187587
; GENERAL INFORMATION:
; APPLICANT: Ian Popoff
; APPLICANT: Vickie L. Brown-Driver
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF E2F TRANSCRIPTION FACTOR 1 EXPRESSIO
; FILE REFERENCE: RTS-0121
; CURRENT APPLICATION NUMBER: US/09/517,584A
; CURRENT FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-584A-54

Query Match 0.5%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2017 AAGTCCTCTGGTAGGAGGC 2035
              || ||||| || |||||||
Db          2 AACTCCTCAGGGAGGAGGC 20
```

RESULT 1426
US-09-130-616-20
; Sequence 20, Application US/09130616C
; Patent No. 6221850
; GENERAL INFORMATION:
; APPLICANT: McKay, Robert A.
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Monia, Brett
; APPLICANT: Nero, Pam
; APPLICANT: Gaarde, William A.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS
; TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
; FILE REFERENCE: ISPH-0318
; CURRENT APPLICATION NUMBER: US/09/130,616C
; CURRENT FILING DATE: 1998-08-07
; EARLIER APPLICATION NUMBER: 08/910,629
; EARLIER FILING DATE: 1997-08-03
; NUMBER OF SEQ ID NOS: 178
; SEQ ID NO 20
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-130-616-20

Query Match 0.5%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        813 CCGTAATGAACCCCACTGA 831
              || ||||| ||||||| ||
Db          2 CCATAATGCACCCCACAGA 20
```

RESULT 1427
US-09-021-701-559
; Sequence 559, Application US/09021701
; Patent No. 6251588
; GENERAL INFORMATION:
; APPLICANT: Shannon, Karen W.
; APPLICANT: Wolber, Paul K.
; APPLICANT: Delenstarr, Glenda C.
; APPLICANT: Webb, Peter G.
; APPLICANT: Kincaid, Robert H.
; TITLE OF INVENTION: Methods for evaluating oligonucleotide
; TITLE OF INVENTION: probe sequences
; NUMBER OF SEQUENCES: 1165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard Company M/S 20
; STREET: 3000 Hanover Street
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/021,701
; FILING DATE: 10-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Choi, Wendy A.
; REGISTRATION NUMBER: 36,697
; REFERENCE/DOCKET NUMBER: 10971464-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-236-2386
; TELEFAX: 650-852-8063
; INFORMATION FOR SEQ ID NO: 559:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs

```
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-559

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAACTTTG 2193
              ||||| |||||||||  ||
Db          1 TTTTTCTTTTTTAACCCTG 19


RESULT 1428
US-09-364-416-38
; Sequence 38, Application US/09364416
; Patent No. 6312900
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas M. Dean; Robert A. McKay; Loren J.
;    APPLICANT:  Miraglia; Brenda F. Baker
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Compositions and Methods for the Modulation of
;    TITLE OF INVENTION:  Activating Protein 1
;    NUMBER OF SEQUENCES:  139
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/364,416
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/837,201
;      FILING DATE:  April 14, 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0209
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 810-1515
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-364-416-38

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        318 TCGCCGAATATCAGCCGCC 336
              ||||| ||  |||||||||
Db          2 TCGCCCAACTTCAGCCGCC 20


RESULT 1429
US-09-488-856A-65/c
; Sequence 65, Application US/09488856A
; Patent No. 6316259
; GENERAL INFORMATION:
;  APPLICANT:      Brett P. Monia
;  APPLICANT:  Robert McKay
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF GLYCOGEN SYNTHASE KINASE 3 ALPHA EXI
;  FILE REFERENCE:      RTS-0115
;  CURRENT APPLICATION NUMBER: US/09/488,856A
;  CURRENT FILING DATE:  2000-01-21
;  NUMBER OF SEQ ID NOS:      88
; SEQ ID NO 65
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-488-856A-65

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        758 ATTTCCATGACCAAGAACC 776
              |||||  | ||||||||||
Db         20 ATTTCTGTCACCAAGAACC 2


RESULT 1430
US-09-248-386-20/c
; Sequence 20, Application US/09248386
; Patent No. 6359124
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P
;  APPLICANT: Freier, Susan M
;  APPLICANT: Sanghvi, Yogesh S
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Ecker, David J
;  TITLE OF INVENTION: Antisense Inhibition of RAS Gene with Chimeric and
;  TITLE OF INVENTION: Alternating Oligonucleotides
;  FILE REFERENCE: ISIS3350
;  CURRENT APPLICATION NUMBER: US/09/248,386
;  CURRENT FILING DATE: 1999-01-12
;  EARLIER APPLICATION NUMBER: 08/848,840
;  EARLIER FILING DATE: 1997-04-30
;  EARLIER APPLICATION NUMBER: 07/411,734
;  EARLIER FILING DATE: 1989-09-25
;  EARLIER APPLICATION NUMBER: PCT/US93/09346
;  EARLIER FILING DATE: 1993-10-01
;  EARLIER APPLICATION NUMBER: 07/715,196
;  EARLIER FILING DATE: 1991-06-14
;  EARLIER APPLICATION NUMBER: 07/958,134
;  EARLIER FILING DATE: 1992-10-05
;  EARLIER APPLICATION NUMBER: 08/007,996
;  EARLIER FILING DATE: 1993-01-21
;  EARLIER APPLICATION NUMBER: 07/703,619
;  EARLIER FILING DATE: 1991-05-21
;  EARLIER APPLICATION NUMBER: 08/040,903
;  EARLIER FILING DATE: 1993-03-31
;  EARLIER APPLICATION NUMBER: 07/040,526
;  EARLIER FILING DATE: 1987-04-20
;  EARLIER APPLICATION NUMBER: 08/174,379
;  EARLIER FILING DATE: 1993-12-28
;  EARLIER APPLICATION NUMBER: 08/040,933
;  EARLIER FILING DATE: 1993-03-31
;  EARLIER APPLICATION NUMBER: 08/300,072
;  EARLIER FILING DATE: 1994-09-02
;  EARLIER APPLICATION NUMBER: 08/039,979
;  EARLIER FILING DATE: 1993-03-30
;  EARLIER APPLICATION NUMBER: 08/395,168
;  EARLIER FILING DATE: 1995-02-27
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;  EARLIER APPLICATION NUMBER: 07/814,961
;  EARLIER FILING DATE: 1991-12-24
;  EARLIER APPLICATION NUMBER: 08/244,993
;  EARLIER FILING DATE: 1994-06-21
;  EARLIER APPLICATION NUMBER: 08/468,037
;  EARLIER FILING DATE: 1995-06-06
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6359124el Sequence
US-09-248-386-20

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAG 69
              || |||| ||||| |||||
Db         19 GCCGCGGCGGCGGAGGCAG 1


RESULT 1431
US-09-462-261-32/c
; Sequence 32, Application US/09462261
; Patent No. 6391636
;   GENERAL INFORMATION:
;        APPLICANT: Brett P. Monia
;        TITLE OF INVENTION: Antisense Oligonucleotide
;                            Modulation of raf Gene Expression
;        NUMBER OF SEQUENCES: 42
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Jane Massey Licata, Esq.
;             STREET: 66 East Main Street
;             CITY: Marlton
;             STATE: NJ
;             COUNTRY: USA
;             ZIP: 08053
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;             COMPUTER: Pentium
;             OPERATING SYSTEM: Windows 95
;             SOFTWARE: WORDPERFECT 6.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/462,261
;             FILING DATE: 01-Mar-2000
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/756,806
;             FILING DATE: No. 6391636ember 26, 1996
;             APPLICATION NUMBER: PCT/US95/07111
;             FILING DATE: May 31, 1995
;             APPLICATION NUMBER: 08/250,856
;             FILING DATE: May 31, 1994
;             APPLICATION NUMBER: 08/888,982
;             FILING DATE: July 7, 1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Jane Massey Licata
;             REGISTRATION NUMBER: 32,257
;             REFERENCE/DOCKET NUMBER: ISPH-0312
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (609) 779-2400
;             TELEFAX: (609) 810-1454
;   INFORMATION FOR SEQ ID NO: 32:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: Nucleic Acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        ANTI-SENSE: Yes
;        SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-462-261-32

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1531 AGAAAGGTTAGGAGAGTAG 1549
              ||| || | ||||||||||
Db         20 AGAGAGTTCAGGAGAGTAG 2


RESULT 1432
US-09-798-096-66
; Sequence 66, Application US/09798096
; Patent No. 6399378
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL2 EXPRESSION
;  FILE REFERENCE: RTS-0207
;  CURRENT APPLICATION NUMBER: US/09/798,096
;  CURRENT FILING DATE:  2001-03-01
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 66
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-798-096-66

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        344 TTTCCCCCTCCCTACCAGC 362
              ||||||| || || |||||
Db          1 TTTCCCCATCTCTTCCAGC 19


RESULT 1433
US-09-506-073-121/c
; Sequence 121, Application US/09506073
; Patent No. 6410518
; GENERAL INFORMATION:
;  APPLICANT: Monia, Brett P.
;  TITLE OF INVENTION: Antisense Oligonucleotide Modulation of raf Gene Expression
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/09/506,073
;  CURRENT FILING DATE: 2000-02-18
;  EARLIER APPLICATION NUMBER: US 09/143,214
;  EARLIER FILING DATE: 1998-08-28
;  EARLIER APPLICATION NUMBER: PCT/US98/13961
;  EARLIER FILING DATE: 1998-07-06
;  EARLIER APPLICATION NUMBER: US 08/888,982
;  EARLIER FILING DATE: 1997-07-07
;  EARLIER APPLICATION NUMBER: US 08/756,806
;  EARLIER FILING DATE: 1996-11-26
;  EARLIER APPLICATION NUMBER: PCT/US95/07111
;  EARLIER FILING DATE: 1995-05-31
;  EARLIER APPLICATION NUMBER: US 08/250,856
;  EARLIER FILING DATE: 1994-05-31
;  NUMBER OF SEQ ID NOS: 130
; SEQ ID NO 121
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: artificial sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-506-073-121

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
```

```
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1531 AGAAAGGTTAGGAGAGTAG 1549
              ||| || | ||||||||||
Db         20 AGAGAGTTCAGGAGAGTAG 2


RESULT 1434
US-09-780-175-19
; Sequence 19, Application US/09780175
; Patent No. 6440738
; GENERAL INFORMATION:
;  APPLICANT:  Robert McKay
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF CASEIN KINASE 2-BETA EXPRESSION
;  FILE REFERENCE:  RTS-0164
;  CURRENT APPLICATION NUMBER: US/09/780,175
;  CURRENT FILING DATE:  2001-02-08
;  NUMBER OF SEQ ID NOS:  154
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-175-19

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1270 AGACCGGACACCCCATGGG 1288
              || ||||| |||||||| |
Db          1 AGTCCGGAGACCCCATGTG 19


RESULT 1435
US-09-851-062-51/c
; Sequence 51, Application US/09851062
; Patent No. 6448081
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTERLEUKIN 12 P40 SUBUNIT EXPRESSION
;  FILE REFERENCE: RTS-0247
;  CURRENT APPLICATION NUMBER: US/09/851,062
;  CURRENT FILING DATE:  2001-05-07
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-851-062-51

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1169 ACCAGACCTCATCTTGGAG 1187
              || | | ||||||||||||
Db         20 ACTATAGCTCATCTTGGAG 2


RESULT 1436
US-09-851-062-67/c
; Sequence 67, Application US/09851062
; Patent No. 6448081
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTERLEUKIN 12 P40 SUBUNIT EXPRESSION
;  FILE REFERENCE: RTS-0247
;  CURRENT APPLICATION NUMBER: US/09/851,062
;  CURRENT FILING DATE:  2001-05-07
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 67
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-851-062-67

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1117 TGCCTATGTCTGTGAAGCC 1135
              | || ||||||||||||| |
Db         20 TTCCCATGTCTGTGAAGAC 2


RESULT 1437
US-09-517-467B-200
; Sequence 200, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
;  APPLICANT: Ian Popoff
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
;  FILE REFERENCE: RTS-0150
;  CURRENT APPLICATION NUMBER: US/09/517,467B
;  CURRENT FILING DATE:  2001-03-02
;  PRIOR APPLICATION NUMBER: 09/517,467
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 200
;   LENGTH: 20
;   TYPE: DNA<220>
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-467B-200

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2679 TGTGGGTGAAATGGAGATT 2697
              ||| | |||| ||||||||
Db          1 TGTTGTTGAACTGGAGATT 19


RESULT 1438
US-09-844-525A-39/c
; Sequence 39, Application US/09844525A
; Patent No. 6468796
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BIFUNCTIONAL APOPTOSIS REGULATOR EXPRESSI
;  FILE REFERENCE: RTS-0230
;  CURRENT APPLICATION NUMBER: US/09/844,525A
;  CURRENT FILING DATE:  2001-08-20
;  NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 39
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-844-525A-39
```

```
  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2179 TTTTTTTTAACTTTGAAAG 2197
              ||  |||||||||||| ||
Db         19 TTGCTTTTAACTTTGACAG 1


RESULT 1439
US-09-725-265-34/c
; Sequence 34, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 34
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-34

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2517 GGTTTTATTCATATATATA 2535
              || ||| || |||||||||
Db         20 GGGTTTTTTTATATATATA 2


RESULT 1440
US-09-725-265-36/c
; Sequence 36, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 36
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-36

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2517 GGTTTTATTCATATATATA 2535
              | |||| || |||||||||
Db         20 GTTTTTTTTATATATATA 2


RESULT 1441
US-08-492-723-11
; Sequence 11, Application US/08492723
; Patent No. 6531296
;  GENERAL INFORMATION:
;    APPLICANT:  Liu, Edison T.
;    APPLICANT:  Craven, Rolf J.
;    APPLICANT:  Cance, William G.
;    TITLE OF INVENTION:  NUCLEAR TYROSINE KINASE RAK
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bell, Seltzer, Park & Gibson
;      STREET:  PO Box 34009
;      CITY:  Charlotte
;      STATE:  No. 6531296th Carolina
;      COUNTRY:  USA
;      ZIP:  28234
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/492,723
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sibley, Kenneth D.
;      REGISTRATION NUMBER:  31,665
;      REFERENCE/DOCKET NUMBER:  5470-121
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  919-420-2200
;      TELEFAX:  919-881-3175
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-492-723-11

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2438 TTACGACTTTTTTGAGACA 2456
              | | |||||||||||| |||
Db          1 TGAAGACTTTTTTGAAACA 19


RESULT 1442
US-09-422-978-5201/c
; Sequence 5201, Application US/09422978
```

; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5201
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..20
; OTHER INFORMATION: upstream amplification primer 99-22490 for SEQ 1267,
US-09-422-978-5201

Query Match 0.5%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1518 AAAATTGGAACGAAGAAAG 1536
||||| |||| |||| |||
Db 19 AAAATAGGAAGGAAGGAAG 1

RESULT 1443
US-09-422-978-6254
; Sequence 6254, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6254
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..20
; OTHER INFORMATION: upstream amplification primer 99-10434 for SEQ 2320,
US-09-422-978-6254

Query Match 0.5%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 794 CAGAAGGAGCTGGTGGGGG 812
||||| ||| |||||| ||
Db 2 CAGAATGAGGTGGTGGTGG 20

RESULT 1444
US-09-422-978-10598
; Sequence 10598, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10598
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..20
; OTHER INFORMATION: downstream amplification primer 99-16422 for SEQ 2733, in comple
US-09-422-978-10598

Query Match 0.5%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2558 ATGCTGGGCTCTGTTCTTG 2576
||||||| ||||||| | |
Db 2 ATGCTGGTCTCTGTTTTGG 20

RESULT 1445
US-09-593-359-15
; Sequence 15, Application US/09593359
; Patent No. 6552250
; GENERAL INFORMATION:
; APPLICANT: Laroche, Andre J.
; APPLICANT: Nykiforuk, Cory L.
; APPLICANT: Weselake, Randall J.
; TITLE OF INVENTION: Diacylglycerol O-acyltransferase
; FILE REFERENCE: 24015US0
; CURRENT APPLICATION NUMBER: US/09/593,359
; CURRENT FILING DATE: 2000-06-14
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Brassica napus
US-09-593-359-15

Query Match 0.5%; Score 14.2; DB 1; Length 20;
Best Local Similarity 84.2%; Pred. No. 2e+03;
Matches 16; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2686 GAAATGGAGATTTGGAATT 2704
||||||| ||||| | |||
Db 1 GAAATGGCGATTTTGGATT 19

RESULT 1446
US-09-198-452A-1737
; Sequence 1737, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.

```
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1737
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-1737

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        769 CAAGAACCCTCTGAACCTC 787
              ||| ||||||  |||||||
Db          1 CAACAACCCTTGGAACCTC 19


RESULT 1447
US-09-198-452A-5020/c
; Sequence 5020, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5020
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-5020

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1585 CACAGACTGGGAACCCCTC 1603
              |||||| |||||| ||| |
Db         19 CACAGATTGGGAAGCCCCC 1


RESULT 1448
US-09-733-444-16/c
; Sequence 16, Application US/09733444
; Patent No. 6576423
; GENERAL INFORMATION:
;  APPLICANT: Batra, Surinder K.
;  APPLICANT:  Brandt, Randall E.
;  APPLICANT:  Ringel, J"erg
;  APPLICANT:  Faulmann, Grit
;  APPLICANT:  L"hr, Matthias
;  APPLICANT:  Varshney, Grish C.
;  APPLICANT:  University of Nebraska Board of Regents
;  TITLE OF INVENTION: Specific Mucin Expression as a Marker
;  TITLE OF INVENTION:  for Pancreatic Cancer
;  FILE REFERENCE: UNMC 63155
;  CURRENT APPLICATION NUMBER: US/09/733,444
;  CURRENT FILING DATE:  2000-12-08
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-733-444-16

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 20;
  Best Local Similarity   84.2%;  Pred. No. 2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        601 CTCCGACCTGCTGCTGCCC 619
              |||||  || ||||||||||
Db         20 CTCCGTGCTCCTGCTGCCC 2


RESULT 1449
US-08-173-489C-118/c
; Sequence 118, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  118:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  third strand derived from beta-globin
;      DESCRIPTION:  sequence region in Seq ID No. 5861244117
;    HYPOTHETICAL:  yes
;    ANTI-SENSE:  no
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  118 :FROM 1 TO 21
US-08-173-489C-118

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
              |||| |||||||||| || |
Db         21 GAAAGAAAAAAAAAGAAGA 3
```

```
RESULT 1450
US-08-053-867A-18/c
; Sequence 18, Application US/08053867A
; Patent No. 5545545
;  GENERAL INFORMATION:
;    APPLICANT:  Gengenbach, Burle G.
;    APPLICANT:  Somers, David A.
;    APPLICANT:  Bittel, Douglas C.
;    APPLICANT:  Shaver, Jonathan M.
;    TITLE OF INVENTION:  Lysine-Insensitive Maize
;    TITLE OF INVENTION:  Dihydrodipicolinic Acid Synthase
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Merchant & Gould
;      STREET:  3100 No. 5545545west Center
;      CITY:  Minneapolis
;      STATE:  MN
;      COUNTRY:  USA
;      ZIP:  55403
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/053,867A
;      FILING DATE:  27-APR-1993
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Woessner, Warren D.
;      REGISTRATION NUMBER:  30,440
;      REFERENCE/DOCKET NUMBER:  600.263-US-01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  612/332-5300
;      TELEFAX:  612/332-3081
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-053-867A-18

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2027 GTAGGAGGCAAAGGTTCTA 2045
              | |||||||  ||||||||
Db         19 GAAGGAGGCCCAGGTTCTA 1


RESULT 1451
US-08-076-090-3
; Sequence 3, Application US/08076090
; Patent No. 5631162
;  GENERAL INFORMATION:
;    APPLICANT:  LeBoulch, Philippe
;    APPLICANT:  London, Irving M.
;    APPLICANT:  Tuan, Dorothy
;    TITLE OF INVENTION:  Retroviral Vectors for Transducing
;    TITLE OF INVENTION:  Beta-Globulin Gene and Beta-Locus Control Region
;    TITLE OF INVENTION:  Derivatives
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kilpatrick & Cody
;      STREET:  1100 Peachtree Street, Suite 2800
;      CITY:  Atlanta
;      STATE:  Georgia
;      COUNTRY:  U.S.
;      ZIP:  30309-4530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/076,090
;      FILING DATE:  19930611
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Pabst, Patrea L.
;      REGISTRATION NUMBER:  31,284
;      REFERENCE/DOCKET NUMBER:  MIT 6128
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (404) 815-6508
;      TELEFAX:  (404) 815-6555
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      CELL TYPE:  Beta-globin gene
US-08-076-090-3

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
              || || |||||||||| |||
Db          2 GAGAAGAAAAAAAAAGAAA 20


RESULT 1452
US-08-076-090-3/c
; Sequence 3, Application US/08076090
; Patent No. 5631162
;  GENERAL INFORMATION:
;    APPLICANT:  LeBoulch, Philippe
;    APPLICANT:  London, Irving M.
;    APPLICANT:  Tuan, Dorothy
;    TITLE OF INVENTION:  Retroviral Vectors for Transducing
;    TITLE OF INVENTION:  Beta-Globulin Gene and Beta-Locus Control Region
;    TITLE OF INVENTION:  Derivatives
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kilpatrick & Cody
;      STREET:  1100 Peachtree Street, Suite 2800
;      CITY:  Atlanta
;      STATE:  Georgia
;      COUNTRY:  U.S.
;      ZIP:  30309-4530
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/076,090
;      FILING DATE:  19930611
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Pabst, Patrea L.
;      REGISTRATION NUMBER:  31,284
;      REFERENCE/DOCKET NUMBER:  MIT 6128
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (404) 815-6508
;      TELEFAX:  (404) 815-6555
```

```
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      CELL TYPE:  Beta-globin gene
US-08-076-090-3

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTT 2183
                ||||  |||||||||  ||  |
Db         21 CTTTCTTTTTTTTTCTTCT 3


RESULT 1453
US-08-173-489C-116
; Sequence 116, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  116:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  third strand derived from beta-globin
;      DESCRIPTION:  sequence region in Seq ID No. 5861244115
;    HYPOTHETICAL:  yes
;    ANTI-SENSE:  no
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  116 :FROM 1 TO 21
US-08-173-489C-116

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTT 2173
                ||||  |||  |||||  ||||
Db          3 TTTTCTTCCCCTTTCTTTT 21


RESULT 1454
US-08-173-489C-117
; Sequence 117, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  117:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;      DESCRIPTION:  beta-globin gene (accession # V00499)
;      DESCRIPTION:  nucleotides 918 to 938
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    PUBLICATION INFORMATION:
;      AUTHORS:  Lawn, R M,  Efstratiadis, A,  O'Connell,
;      AUTHORS:  C,  Maniatis, T.
;      TITLE:  The nucleotide sequence of
;      TITLE:  the human beta-globin gene
;      JOURNAL:  Cell
;      VOLUME:  21
;      PAGES:  647-651
;      DATE:  1980
;      RELEVANT RESIDUES IN SEQ ID NO:  117 :FROM 1 TO 21
US-08-173-489C-117

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
```

```
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTT 2183
              |||| |||||||||| || |
Db          1 CTTTCTTTTTTTTTCTTCT 19


RESULT 1455
US-08-173-489C-117/c
; Sequence 117, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  117:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;      DESCRIPTION:  beta-globin gene (accession # V00499)
;      DESCRIPTION:  nucleotides 918 to 938
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    PUBLICATION INFORMATION:
;      AUTHORS:  Lawn, R M,  Efstratiadis, A,  O'Connell,
;      AUTHORS:  C,  Maniatis, T.
;      TITLE:  The nucleotide sequence of
;      TITLE:  the human beta-globin gene
;      JOURNAL:  Cell
;      VOLUME:  21
;      PAGES:  647-651
;      DATE:  1980
;      RELEVANT RESIDUES IN SEQ ID NO:  117 :FROM 1 TO 21
US-08-173-489C-117

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
                || || ||||||||| |||
Db         20 GAGAAGAAAAAAAAAGAAA 2


RESULT 1456
US-09-009-913-40/c
; Sequence 40, Application US/09009913
; Patent No. 6087485
;  GENERAL INFORMATION:
;    APPLICANT:  AxyS Pharmaceuticals, Inc.
;    TITLE OF INVENTION:  Asthma Related Genes
;    NUMBER OF SEQUENCES:  339
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bozicevic & Reed, LLP
;      STREET:  285 Hamilton Ave, Suite 200
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94301
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/009,913
;      FILING DATE:  21-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sherwood, Pamela J
;      REGISTRATION NUMBER:  36,677
;      REFERENCE/DOCKET NUMBER:  SEQ-4P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-327-3231
;      TELEFAX:  650-327-3231
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-009-913-40

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   76.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        115 CTGGGGGGATCCTGGATTTAA 135
              |||||||| |:|||| | ||
Db         21 CTGGGGGGTTYCTGGTGTCAA 1


RESULT 1457
US-09-009-913-119/c
; Sequence 119, Application US/09009913
; Patent No. 6087485
;  GENERAL INFORMATION:
;    APPLICANT:  AxyS Pharmaceuticals, Inc.
;    TITLE OF INVENTION:  Asthma Related Genes
;    NUMBER OF SEQUENCES:  339
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bozicevic & Reed, LLP
;      STREET:  285 Hamilton Ave, Suite 200
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94301
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
```

```
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ for Windows Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/009,913
;       FILING DATE:  21-JAN-1998
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Sherwood, Pamela J
;       REGISTRATION NUMBER:  36,677
;       REFERENCE/DOCKET NUMBER:  SEQ-4P
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  650-327-3231
;       TELEFAX:  650-327-3231
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  119:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-009-913-119

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   76.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        115 CTGGGGGGATCCTGGATTTAA 135
              ||||||| |:|||  | ||
Db         21 CTGGGGGGTTYCTGGTGTCAA 1


RESULT 1458
US-09-338-907-409/c
; Sequence 409, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 409
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer for SEQ 237, SEQ 314
US-09-338-907-409

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2685 TGAAATGGAGATTTGGAAT 2703
              |||||||||  | ||||||
Db         20 TGAAATGGACTTCTGGAAT 2


RESULT 1459
US-09-218-207-409/c
; Sequence 409, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 409
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer for SEQ 237, SEQ 314
US-09-218-207-409

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2685 TGAAATGGAGATTTGGAAT 2703
              |||||||||  | ||||||
Db         20 TGAAATGGACTTCTGGAAT 2


RESULT 1460
US-08-649-950-18/c
; Sequence 18, Application US/08649950
; Patent No. 6403303
;  GENERAL INFORMATION:
;    APPLICANT:  Shipman, Robert
;    APPLICANT:  Leushner, James
;    APPLICANT:  Dunn, James M.
;    TITLE OF INVENTION:  METHOD AND REAGENTS FOR TESTING FOR
;    TITLE OF INVENTION:  MUTATIONS IN THE BRCA1 GENE
;    NUMBER OF SEQUENCES:  77
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street Suite 309
;      CITY:  Yorktown
;      STATE:  NY
;      COUNTRY:  US
;      ZIP:  10598
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette - 3.5 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  MS DOS
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/649,950
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Larson, Marina T.
;      REGISTRATION NUMBER:  32,038
```

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;       REFERENCE/DOCKET NUMBER:  VGEN.P-028-US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (914) 245-3252
;       TELEFAX:  (914) 962-4330
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  18:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21
;       TYPE:  nucleic acid
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;     HYPOTHETICAL:  no
;     ANTI-SENSE:  yes
;     FRAGMENT TYPE:  internal
;     ORIGINAL SOURCE:
;       ORGANISM:  human
;     FEATURE:
;       OTHER INFORMATION:  amplification primer for BRCA1 gene
US-08-649-950-18

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2149 GATTGATTTTTTCTCCTT 2167
              ||||||| ||| |||| ||
Db         19 GATTGATGTTTCTCTCTTT 1


RESULT 1461
US-09-267-311-7
; Sequence 7, Application US/09267311
; Patent No. 6440715
; GENERAL INFORMATION:
;  APPLICANT: XU, Shuang-yong
;  TITLE OF INVENTION: Method for Cloning And Expression Of Rhodothermus
;  TITLE OF INVENTION: Obamensis DNA Polymerase I Large Fragment In E. Coli
;  FILE REFERENCE: NEB-157
;  CURRENT APPLICATION NUMBER: US/09/267,311
;  CURRENT FILING DATE: 1999-03-12
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: synthetic
US-09-267-311-7

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1373 CAGGCCATCTGTGCCGCGG 1391
              |||| | | ||||||||||
Db          3 CAGGGCGTTTGTGCCGCGG 21


RESULT 1462
US-09-328-174A-94
; Sequence 94, Application US/09328174A
; Patent No. 6448003
; GENERAL INFORMATION:
;  APPLICANT:  Guida, Marco
;  APPLICANT:  Kurth, Janice
;  TITLE OF INVENTION:  Genotyping Human Phenol Sulfotransferase
;  TITLE OF INVENTION:  (STP2)
;  FILE REFERENCE:  4389-6 (formerly SEQ-16P)
;  CURRENT APPLICATION NUMBER: US/09/328,174A
;  CURRENT FILING DATE:  1999-06-08
;  PRIOR APPLICATION NUMBER:  09/328,174
;  PRIOR FILING DATE:  1999-06-08
;  NUMBER OF SEQ ID NOS:  110
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 94
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-328-174A-94

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       373 CTCCCAGTCGGCCGACCCC 391
             ||||||| |||| | ||||
Db         3 CTCCCAGGCGGCAGTCCCC 21


RESULT 1463
US-09-165-868-8
; Sequence 8, Application US/09165868
; Patent No. 6465176
; GENERAL INFORMATION:
;  APPLICANT: Message Pharmaceuticals, Inc.
;  TITLE OF INVENTION: METHOD FOR IDENTIFYING COMPOUNDS
;  TITLE OF INVENTION:  AFFECTING RNA/RNA BINDING PROTEIN INTERACTIONS
;  FILE REFERENCE: 50093/003WO1
;  CURRENT APPLICATION NUMBER: US/09/165,868
;  CURRENT FILING DATE:  1998-10-02
;  PRIOR APPLICATION NUMBER: PCT/US99/21672
;  PRIOR FILING DATE: 1999-09-16
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
;   LENGTH: 21
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-165-868-8

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   15.8%;  Pred. No. 2.2e+03;
  Matches    3;  Conservative   13;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2255 TTTATTTGCATATTTATTT 2273
              :::|:::   :|:::|:::
Db          2 UUUAUUUAUUUAUUUAUUU 20


RESULT 1464
US-09-422-978-3979/c
; Sequence 3979, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 3979
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
```

```
;   LOCATION: 1..21
;   OTHER INFORMATION: upstream amplification primer 99-12580 for SEQ 45,
US-09-422-978-3979

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2280 TTTCGAGTAAACTTGAAAA 2298
              | |||| ||||| ||||||
Db         20 TGTCGAATAAACCTGAAAA 2


RESULT 1465
US-09-422-978-8246/c
; Sequence 8246, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8246
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-1462 for SEQ 381, in complemen
US-09-422-978-8246

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2685 TGAAATGGAGATTTGGAAT 2703
              |||||||||  | ||||||
Db         20 TGAAATGGACTTCTGGAAT 2


RESULT 1466
US-09-422-978-10341
; Sequence 10341, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10341
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-11236 for SEQ 2476, in complem
US-09-422-978-10341

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        340 CTACTTTCCCCCTCCCTAC 358
              |||||||||| || | ||
Db          3 CTACTTTCCCCATCTCCAC 21


RESULT 1467
US-09-647-344A-32
; Sequence 32, Application US/09647344A
; Patent No. 6586180
; GENERAL INFORMATION:
;  APPLICANT: Ruffner, Duane E.
;  APPLICANT:  Pierce, Michael L.
;  APPLICANT:  Chen, Zhidong
;  TITLE OF INVENTION: Directed Antisense Libraries
;  FILE REFERENCE: T6678.PCT.US
;  CURRENT APPLICATION NUMBER: US/09/647,344A
;  CURRENT FILING DATE:  2000-12-04
;  PRIOR APPLICATION NUMBER: PCT/US99/06742
;  PRIOR FILING DATE: 1999-03-28
;  NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 32
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: herpes simplex virus
US-09-647-344A-32

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   78.9%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        151 GGGGACGCCGGACGCCATG 169
              ||||||  | |||||||:|
Db          1 GGGGACCACCGACGCCAUG 19


RESULT 1468
US-09-434-840-20/c
; Sequence 20, Application US/09434840
; Patent No. 6620985
; GENERAL INFORMATION:
;  APPLICANT: Glazebrook, Jane
;  APPLICANT: Jirage, Dayadevi
;  APPLICANT: Tootle, Tina L
;  APPLICANT: Zhou, Nan
;  APPLICANT: Feys, Bart
;  TITLE OF INVENTION: PAD4 COMPOSITIONS AND METHODS THEREFOR
;  FILE REFERENCE: 043503.0009
;  CURRENT APPLICATION NUMBER: US/09/434,840
;  CURRENT FILING DATE: 1999-11-04
;  EARLIER APPLICATION NUMBER: 09/190,733
;  EARLIER FILING DATE: 1998-11-12
;  NUMBER OF SEQ ID NOS: 85
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer PAD4.5
US-09-434-840-20

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
```

```
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1096 TGTTCATTTGGCTAGGGAC 1114
              || |||||||||| || |
Db         20 TGATCATTTGGCTATGGGC 2


RESULT 1469
US-09-409-604-10/c
; Sequence 10, Application US/09409604A
; Patent No. 6632934
; GENERAL INFORMATION:
;  APPLICANT:  Moreadith, Randall W.
;  APPLICANT:  Zinn, Andrew R.
;  APPLICANT:  Watson, Mark L.
;  APPLICANT:  Inoue, No. 6632934imitsu
;  APPLICANT:  Hess, Karl D.
;  APPLICANT:  Albright, George M.
;  TITLE OF INVENTION:  MORC GENE COMPOSITIONS AND METHODS OF USE
;  FILE REFERENCE:  UTSD:573
;  CURRENT APPLICATION NUMBER: US/09/409,604A
;  CURRENT FILING DATE:  1999-09-30
;  NUMBER OF SEQ ID NOS:  18
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 10
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:    This is an
;   OTHER INFORMATION: oligonucleotide primer.
US-09-409-604-10

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        611 CTGCTGCCCCACGCACACG 629
              ||| || ||||||| ||||
Db         19 CTGTTGGCCCACGCCCACG 1


RESULT 1470
US-09-688-188B-56
; Sequence 56, Application US/09688188B
; Patent No. 6656716
; GENERAL INFORMATION:
;  APPLICANT: PLOWMAN, GREGORY
;  APPLICANT:  MARTINEZ, RICARDO
;  APPLICANT:  WHYTE, DAVID
;  TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
;  FILE REFERENCE: 038602/0328
;  CURRENT APPLICATION NUMBER: US/09/688,188B
;  CURRENT FILING DATE:  2000-10-16
;  PRIOR APPLICATION NUMBER: 09/291,417
;  PRIOR FILING DATE: 1999-04-14
;  PRIOR APPLICATION NUMBER: 60/081,784
;  PRIOR FILING DATE: 1998-04-14
;  NUMBER OF SEQ ID NOS: 155
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 56
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-688-188B-56

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        919 GTCCCCACCTGAATGCTTA 937
              ||||||||| ||| | |||
Db          2 GTCCCCACCAGAAGGTTTA 20


RESULT 1471
US-09-291-417D-56
; Sequence 56, Application US/09291417D
; Patent No. 6680170
; GENERAL INFORMATION:
;  APPLICANT: PLOWMAN, GREGORY
;  APPLICANT:  MARTINEZ, RICARDO
;  APPLICANT:  WHYTE, DAVID
;  TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES
;  FILE REFERENCE: 038602/0329
;  CURRENT APPLICATION NUMBER: US/09/291,417D
;  CURRENT FILING DATE:  1999-04-13
;  PRIOR APPLICATION NUMBER: 60/081,784
;  PRIOR FILING DATE: 1998-04-14
;  NUMBER OF SEQ ID NOS: 155
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 56
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-291-417D-56

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        919 GTCCCCACCTGAATGCTTA 937
              ||||||||| ||| | |||
Db          2 GTCCCCACCAGAAGGTTTA 20


RESULT 1472
PCT-US94-06661-3
; Sequence 3, Application PC/TUS9406661
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Retroviral Vectors for Transducing
;    TITLE OF INVENTION:  Beta-Globulin Gene and Beta-Locus Control Region
;    TITLE OF INVENTION:  Derivatives
;    NUMBER OF SEQUENCES:  5
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/06661
;      FILING DATE:  10-JUN-1994
;      CLASSIFICATION:
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      CELL TYPE:  Beta-globin gene
PCT-US94-06661-3

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       2785 GAAAAAAAAAAAAAAAAAA 2803
              || || |||||||| |||
Db          2 GAGAAGAAAAAAAAAGAAA 20


RESULT 1473
PCT-US94-06661-3/c
; Sequence 3, Application PC/TUS9406661
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  Retroviral Vectors for Transducing
;    TITLE OF INVENTION:  Beta-Globulin Gene and Beta-Locus Control Region
;    TITLE OF INVENTION:  Derivatives
;    NUMBER OF SEQUENCES:  5
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/06661
;      FILING DATE:  10-JUN-1994
;      CLASSIFICATION:
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      CELL TYPE:  Beta-globin gene
PCT-US94-06661-3

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTT 2183
              |||| |||||||||| || |
Db         21 CTTTCTTTTTTTTTCTTCT 3


RESULT 1474
PCT-US96-09430-9
; Sequence 9, Application PC/TUS9609430
;  GENERAL INFORMATION:
;    APPLICANT:  Glazer, Peter M.
;    TITLE OF INVENTION:  TREATMENT OF HEMOGLOBINOPATHIES
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OncorPharm, Inc.
;      STREET:  200 Perry Parkway
;      CITY:  Gaithersburg
;      STATE:  Maryland
;      COUNTRY:  US
;      ZIP:  20877
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/09430
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/473,845
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Karta, Glenn E.
;      REGISTRATION NUMBER:  30,649
;      REFERENCE/DOCKET NUMBER:  PA-0040
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-527-2058
;      TELEFAX:  301-208-6997
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US96-09430-9

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTTTT 2183
              |||| |||||||||| || |
Db          1 CTTTCTTTTTTTTTCTTCT 19


RESULT 1475
PCT-US96-09430-9/c
; Sequence 9, Application PC/TUS9609430
;  GENERAL INFORMATION:
;    APPLICANT:  Glazer, Peter M.
;    TITLE OF INVENTION:  TREATMENT OF HEMOGLOBINOPATHIES
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OncorPharm, Inc.
;      STREET:  200 Perry Parkway
;      CITY:  Gaithersburg
;      STATE:  Maryland
;      COUNTRY:  US
;      ZIP:  20877
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/09430
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/473,845
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Karta, Glenn E.
;      REGISTRATION NUMBER:  30,649
;      REFERENCE/DOCKET NUMBER:  PA-0040
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-527-2058
;      TELEFAX:  301-208-6997
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US96-09430-9

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
```

```
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2803
              || || ||||||||| |||
Db         20 GAGAAGAAAAAAAAAGAAA 2

RESULT 1476
PCT-US96-09430-13
; Sequence 13, Application PC/TUS9609430
;  GENERAL INFORMATION:
;    APPLICANT:  Glazer, Peter M.
;    TITLE OF INVENTION:  TREATMENT OF HEMOGLOBINOPATHIES
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OncorPharm, Inc.
;      STREET:  200 Perry Parkway
;      CITY:  Gaithersburg
;      STATE:  Maryland
;      COUNTRY:  US
;      ZIP:  20877
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/09430
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/473,845
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Karta, Glenn E.
;      REGISTRATION NUMBER:  30,649
;      REFERENCE/DOCKET NUMBER:  PA-0040
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-527-2058
;      TELEFAX:  301-208-6997
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US96-09430-13

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 21;
  Best Local Similarity   84.2%;  Pred. No. 2.2e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTT 2173
              |||| ||| ||||| ||||
Db          3 TTTTCTTCCCCTTTCTTTT 21

RESULT 1477
US-08-235-180-29/c
; Sequence 29, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  29:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-29

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 22;
  Best Local Similarity   84.2%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1977 TGAAAAAAAGAAAAGTGTG 1995
              ||||||||| |||||  ||
Db         22 TGAAAAAAAAAAAAGCTTG 4

RESULT 1478
US-08-332-420-11/c
; Sequence 11, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
```

```
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-11

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 22;
  Best Local Similarity   84.2%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1977 TGAAAAAAAGAAAAGTGTG 1995
             ||||||||| |||||  ||
Db         22 TGAAAAAAAAAAAAAGCTTG 4


RESULT 1479
US-09-750-401-17/c
; Sequence 17, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
;   LENGTH: 22
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of Neuronal-Cadherin
US-09-750-401-17

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 22;
  Best Local Similarity   84.2%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1503 AGAAACACAGGAAATAAAA 1521
              | ||| |||| ||||||||
Db         21 AAAAATACAGAAAATAAAA 3


RESULT 1480
US-09-750-401-19/c
; Sequence 19, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
;   LENGTH: 22
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of Neuronal-Cadherin
US-09-750-401-19

  Query Match             0.5%;  Score 14.2;  DB 1;  Length 22;
  Best Local Similarity   84.2%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1503 AGAAACACAGGAAATAAAA 1521
              | ||| |||| ||||||||
Db         21 AAAAATACAGAAAATAAAA 3


RESULT 1481
US-08-173-489C-75
; Sequence 75, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  75:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  double stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;      DESCRIPTION:  esterase D gene (Accession # M13450)
;      DESCRIPTION:  nucleotides 962 to 975
;    HYPOTHETICAL:  No
;    ANTI-SENSE:  No
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    POSITION IN GENOME:
;      CHROMOSOME/SEGMENT:  chromosome 13
;      MAP POSITION:  13q14.1-q14.2
```

```
;    PUBLICATION INFORMATION:
;      AUTHORS:  Lee, E Y H P,  Lee, W H.
;      TITLE:  Molecular cloning of the
;      TITLE:  human esterase D gene, a genetic marker of
;      TITLE:  retinoblastoma
;      JOURNAL:  Proceedings of the National Academy of
;      JOURNAL:  Sciences, USA
;      VOLUME:  83
;      PAGES:  6337-6341
;      DATE:  1986
;      RELEVANT RESIDUES IN SEQ ID NO:  75 :FROM 1 TO 14
US-08-173-489C-75

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db          1 AAAAAAAAAAAAAA 14


RESULT 1482
US-08-173-489C-75/c
; Sequence 75, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  75:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  double stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;      DESCRIPTION:  esterase D gene (Accession # M13450)
;      DESCRIPTION:  nucleotides 962 to 975
;    HYPOTHETICAL:  No
;    ANTI-SENSE:  No
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    POSITION IN GENOME:
;      CHROMOSOME/SEGMENT:  chromosome 13
;      MAP POSITION:  13q14.1-q14.2
;    PUBLICATION INFORMATION:
;      AUTHORS:  Lee, E Y H P,  Lee, W H.
;      TITLE:  Molecular cloning of the
;      TITLE:  human esterase D gene, a genetic marker of
;      TITLE:  retinoblastoma
;      JOURNAL:  Proceedings of the National Academy of
;      JOURNAL:  Sciences, USA
;      VOLUME:  83
;      PAGES:  6337-6341
;      DATE:  1986
;      RELEVANT RESIDUES IN SEQ ID NO:  75 :FROM 1 TO 14
US-08-173-489C-75

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ||||||||||||||
Db         14 TTTTTTTTTTTTTT 1


RESULT 1483
US-08-173-489C-76
; Sequence 76, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  76:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 bases
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  single stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  third strand derived from esterase D
;      DESCRIPTION:  sequence region in Seq ID No. 586124475
;    HYPOTHETICAL:  Yes
;    ANTI-SENSE:  No
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  76 :FROM 1 TO 14
US-08-173-489C-76
```

```
  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ||||||||||||||
Db          1 TTTTTTTTTTTTTT 14


RESULT 1484
US-08-173-489C-76/c
; Sequence 76, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  76:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 bases
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  single stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  third strand derived from esterase D
;      DESCRIPTION:  sequence region in Seq ID No. 586124475
;    HYPOTHETICAL:  Yes
;    ANTI-SENSE:  No
;    PUBLICATION INFORMATION:
;      RELEVANT RESIDUES IN SEQ ID NO:  76 :FROM 1 TO 14
US-08-173-489C-76

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         14 AAAAAAAAAAAAAA 1


RESULT 1485
US-08-832-021-5
; Sequence 5, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAA 2188
              ||||||||||||||
Db          1 TTTTTTTTTTTTAA 14


RESULT 1486
US-08-832-021-9/c
; Sequence 9, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-9

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1487
US-08-724-466B-17
; Sequence 17, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Blake, Cassels & Graydon
;       STREET:  Box 25, Commerce Court West
;       CITY:  Toronto
;       ZIP:  M5L 1A9
;       COUNTRY:  Canada
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;       COMPUTER:  COMPAQ, IBM PC compatible
;       OPERATING SYSTEM:  MS-DOS 5.1
;       SOFTWARE:  WORD PERFECT
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/724,466B
;       FILING DATE:  October 1, 1996
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/667,546
;       FILING DATE:  June 21, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hunt, John C.
;       REGISTRATION NUMBER:  36,424
;       REFERENCE/DOCKET NUMBER:  50767/00004
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (416) 863-4344
;       TELEFAX:  (416) 863-2653
;   INFORMATION FOR SEQ ID NO:  17:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  14 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-724-466B-17

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAA 2188
              ||||||||||||||
Db          1 TTTTTTTTTTTTAA 14


RESULT 1488
US-08-724-466B-21/c
; Sequence 21, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-21

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1489
US-08-882-164D-17
; Sequence 17, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-17

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAA 2188
              ||||||||||||||
Db          1 TTTTTTTTTTTTAA 14


RESULT 1490
US-08-882-164D-21/c
; Sequence 21, Application US/08882164D
```

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; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-21

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1491
US-09-462-569B-1
; Sequence 1, Application US/09462569B
; Patent No. 6392124
; GENERAL INFORMATION:
;  APPLICANT: PONZ ASCASO, Fernando
;  APPLICANT:  TORRES PASCUAL, Vicente
;  APPLICANT:  SANCHEZ SANCHEZ, Florentina
;  APPLICANT:  MARTINEZ HERRERA, David
;  TITLE OF INVENTION: INFECTIOUS VECTORS AND CLONES OF PLANTS DERIVED FROM
;  TITLE OF INVENTION:  THE TURNIP MOSAIC VIRUS (TuMV)
;  FILE REFERENCE: P/613-110
;  CURRENT APPLICATION NUMBER: US/09/462,569B
;  CURRENT FILING DATE:  2000-04-03
;  PRIOR APPLICATION NUMBER: PCT/ES98/00200
;  PRIOR FILING DATE: 1998-07-09
;  PRIOR APPLICATION NUMBER: ES P 9701522
;  PRIOR FILING DATE: 1997-07-09
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: construct
US-09-462-569B-1

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ||||||||||||||
Db          1 TTTTTTTTTTTTTT 14


RESULT 1492
US-09-462-569B-1/c
; Sequence 1, Application US/09462569B
; Patent No. 6392124
; GENERAL INFORMATION:
;  APPLICANT: PONZ ASCASO, Fernando
;  APPLICANT:  TORRES PASCUAL, Vicente
;  APPLICANT:  SANCHEZ SANCHEZ, Florentina
;  APPLICANT:  MARTINEZ HERRERA, David
;  TITLE OF INVENTION: INFECTIOUS VECTORS AND CLONES OF PLANTS DERIVED FROM
;  TITLE OF INVENTION:  THE TURNIP MOSAIC VIRUS (TuMV)
;  FILE REFERENCE: P/613-110
;  CURRENT APPLICATION NUMBER: US/09/462,569B
;  CURRENT FILING DATE:  2000-04-03
;  PRIOR APPLICATION NUMBER: PCT/ES98/00200
;  PRIOR FILING DATE: 1998-07-09
;  PRIOR APPLICATION NUMBER: ES P 9701522
;  PRIOR FILING DATE: 1997-07-09
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthetic
;   OTHER INFORMATION: construct
US-09-462-569B-1

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         14 AAAAAAAAAAAAAA 1


RESULT 1493
US-09-619-103-20
; Sequence 20, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 20
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
```

; FEATURE:
; OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-20

 Query Match 0.5%; Score 14; DB 1; Length 14;
 Best Local Similarity 100.0%; Pred. No. 7.3e+02;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAA 2799
 ||||||||||||||
Db 1 AAAAAAAAAAAAAA 14

RESULT 1494
US-09-619-103-20/c
; Sequence 20, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
; APPLICANT: Kurz, Markus
; APPLICANT: Lohse, Peter
; APPLICANT: Wagner, Richard
; TITLE OF INVENTION: Peptide Acceptor Ligation Methods
; FILE REFERENCE: 50036/031002
; CURRENT APPLICATION NUMBER: US/09/619,103
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 60/145,834
; PRIOR FILING DATE: 1999-07-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 20
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-20

 Query Match 0.5%; Score 14; DB 1; Length 14;
 Best Local Similarity 100.0%; Pred. No. 7.3e+02;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTT 2179
 ||||||||||||||
Db 14 TTTTTTTTTTTTTT 1

RESULT 1495
US-09-475-947A-94/c
; Sequence 94, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
; APPLICANT: Garner, Harold R.
; APPLICANT: Wren, Jonathan D.
; APPLICANT: Minna, John D.
; TITLE OF INVENTION: Polymorphic Repeats in Human Genes
; FILE REFERENCE: UTSD0667
; CURRENT APPLICATION NUMBER: US/09/475,947A
; CURRENT FILING DATE: 1999-12-31
; NUMBER OF SEQ ID NOS: 346
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 94
; LENGTH: 14
; TYPE: DNA
; ORGANISM: human
US-09-475-947A-94

 Query Match 0.5%; Score 14; DB 1; Length 14;
 Best Local Similarity 100.0%; Pred. No. 7.3e+02;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2785 GAAAAAAAAAAAAA 2798
 ||||||||||||||
Db 14 GAAAAAAAAAAAAA 1

RESULT 1496
5453496-4
;Patent No. 5453496
; APPLICANT: CARUTHERS, MARVIN H.;MARSHALL, WILLIAM S.;BRILL,
;WOLFGANG;NIELSEN, JOHN
; TITLE OF INVENTION: POLYNUCLEOTIDE PHOSPHORODITHIOATE
; NUMBER OF SEQUENCES: 7
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/138,140
; FILING DATE: 15-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 793,171
; FILING DATE: 18-NOV-1991
; APPLICATION NUMBER: 545,238
; FILING DATE: 27-JUN-1990
; APPLICATION NUMBER: 332,247
; FILING DATE: 31-MAR-1989
; APPLICATION NUMBER: 198,886
; FILING DATE: 26-MAY-1988
;SEQ ID NO:4:
; LENGTH: 14
5453496-4

 Query Match 0.5%; Score 14; DB 1; Length 14;
 Best Local Similarity 100.0%; Pred. No. 7.3e+02;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTT 2179
 ||||||||||||||
Db 1 TTTTTTTTTTTTTT 14

RESULT 1497
5453496-4/c
;Patent No. 5453496
; APPLICANT: CARUTHERS, MARVIN H.;MARSHALL, WILLIAM S.;BRILL,
;WOLFGANG;NIELSEN, JOHN
; TITLE OF INVENTION: POLYNUCLEOTIDE PHOSPHORODITHIOATE
; NUMBER OF SEQUENCES: 7
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/138,140
; FILING DATE: 15-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 793,171
; FILING DATE: 18-NOV-1991
; APPLICATION NUMBER: 545,238
; FILING DATE: 27-JUN-1990
; APPLICATION NUMBER: 332,247
; FILING DATE: 31-MAR-1989
; APPLICATION NUMBER: 198,886
; FILING DATE: 26-MAY-1988
;SEQ ID NO:4:
; LENGTH: 14
5453496-4

 Query Match 0.5%; Score 14; DB 1; Length 14;
 Best Local Similarity 100.0%; Pred. No. 7.3e+02;
 Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAA 2799
 ||||||||||||||
Db 14 AAAAAAAAAAAAAA 1

RESULT 1498
5453496-5
;Patent No. 5453496
; APPLICANT: CARUTHERS, MARVIN H.;MARSHALL, WILLIAM S.;BRILL,
;WOLFGANG;NIELSEN, JOHN
; TITLE OF INVENTION: POLYNUCLEOTIDE PHOSPHORODITHIOATE
; NUMBER OF SEQUENCES: 7

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/138,140
;      FILING DATE: 15-OCT-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 793,171
;      FILING DATE: 18-NOV-1991
;      APPLICATION NUMBER: 545,238
;      FILING DATE: 27-JUN-1990
;      APPLICATION NUMBER: 332,247
;      FILING DATE: 31-MAR-1989
;      APPLICATION NUMBER: 198,886
;      FILING DATE: 26-MAY-1988
;SEQ ID NO:5:
;      LENGTH: 14
5453496-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db          1 AAAAAAAAAAAAAA 14


RESULT 1499
5453496-5/c
;Patent No. 5453496
;    APPLICANT: CARUTHERS, MARVIN H.;MARSHALL, WILLIAM S.;BRILL,
;WOLFGANG;NIELSEN, JOHN
;    TITLE OF INVENTION: POLYNUCLEOTIDE PHOSPHORODITHIOATE
;    NUMBER OF SEQUENCES: 7
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/138,140
;      FILING DATE: 15-OCT-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 793,171
;      FILING DATE: 18-NOV-1991
;      APPLICATION NUMBER: 545,238
;      FILING DATE: 27-JUN-1990
;      APPLICATION NUMBER: 332,247
;      FILING DATE: 31-MAR-1989
;      APPLICATION NUMBER: 198,886
;      FILING DATE: 26-MAY-1988
;SEQ ID NO:5:
;      LENGTH: 14
5453496-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 7.3e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ||||||||||||||
Db         14 TTTTTTTTTTTTTT 1


RESULT 1500
US-08-292-620A-363
; Sequence 363, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  363:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-363

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 9.2e+02;
  Matches    0;  Conservative   14;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ::::::::::::::
Db          1 UUUUUUUUUUUUUU 14


RESULT 1501
US-09-071-845-363
; Sequence 363, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;
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;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/071,845
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/292,620
;       FILING DATE:  August 17, 1994
;       APPLICATION NUMBER:  08/008,895
;       FILING DATE:  January 19, 1993
;       APPLICATION NUMBER:  07/989,849
;       FILING DATE:  December 7, 1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  208/149
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  363:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-071-845-363

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 9.2e+02;
  Matches    0;  Conservative   14;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ::::::::::::::
Db          1 UUUUUUUUUUUUUU 14


RESULT 1502
US-08-087-387-5/c
; Sequence 5, Application US/08087387
; Patent No. 5473060
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic andtherapeutic applic
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/087,387
;      FILING DATE:  19930702
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-087-387-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1503
US-08-455-627-5/c
; Sequence 5, Application US/08455627
; Patent No. 5571677
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-627-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1504
US-08-452-196A-3
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```
; Sequence 3, Application US/08452196A
; Patent No. 5576427
;  GENERAL INFORMATION:
;    APPLICANT:  Cook, Philip D.
;    APPLICANT:  Delecki, Daniel J.
;    APPLICANT:  Guinosso, Charles
;    TITLE OF INVENTION:  ACYCLIC NUCLEOSIDE
;    TITLE OF INVENTION:  ANALOGS AND
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE
;    TITLE OF INVENTION:  SEQUENCES
;    TITLE OF INVENTION:  CONTAINING THEM
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Patent Department
;      STREET:  9 Great Valley Parkway
;      CITY:  Malvern
;      STATE:  Pennsylvania
;      COUNTRY:  USA
;      ZIP:  19355
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch,
;      MEDIUM TYPE:  1.4 MB storage
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Macintosh 7.1
;      SOFTWARE:  Microsoft Word 5.0B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/452,196A
;      FILING DATE:  26-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/040,326
;      FILING DATE:  30 March 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul E. Dupont
;      REGISTRATION NUMBER:  27,438
;      REFERENCE/DOCKET NUMBER:  2525
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)889-6338
;      TELEFAX:  (215)889-8800
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Nucleic Acid
;      DESCRIPTION:
;    ANTI-SENSE:  yes
;    ORIGINAL SOURCE:  synthesized
;    FEATURE:
;      LOCATION:  14
;      OTHER INFORMATION:  8-[2,2-bis
;      OTHER INFORMATION:  (methoxymethyl)
;      OTHER INFORMATION:  propoxy]-9-
;      OTHER INFORMATION:  methyladenosine
US-08-452-196A-3

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2800
              ||||||||||||| |
Db          1 AAAAAAAAAAAAANA 15


RESULT 1505
US-08-452-196A-3/c
; Sequence 3, Application US/08452196A
; Patent No. 5576427
;  GENERAL INFORMATION:
;    APPLICANT:  Cook, Philip D.
;    APPLICANT:  Delecki, Daniel J.
;    APPLICANT:  Guinosso, Charles
;    TITLE OF INVENTION:  ACYCLIC NUCLEOSIDE
;    TITLE OF INVENTION:  ANALOGS AND
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE
;    TITLE OF INVENTION:  SEQUENCES
;    TITLE OF INVENTION:  CONTAINING THEM
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Patent Department
;      STREET:  9 Great Valley Parkway
;      CITY:  Malvern
;      STATE:  Pennsylvania
;      COUNTRY:  USA
;      ZIP:  19355
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch,
;      MEDIUM TYPE:  1.4 MB storage
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Macintosh 7.1
;      SOFTWARE:  Microsoft Word 5.0B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/452,196A
;      FILING DATE:  26-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/040,326
;      FILING DATE:  30 March 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul E. Dupont
;      REGISTRATION NUMBER:  27,438
;      REFERENCE/DOCKET NUMBER:  2525
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)889-6338
;      TELEFAX:  (215)889-8800
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Nucleic Acid
;      DESCRIPTION:
;    ANTI-SENSE:  yes
;    ORIGINAL SOURCE:  synthesized
;    FEATURE:
;      LOCATION:  14
;      OTHER INFORMATION:  8-[2,2-bis
;      OTHER INFORMATION:  (methoxymethyl)
;      OTHER INFORMATION:  propoxy]-9-
;      OTHER INFORMATION:  methyladenosine
US-08-452-196A-3

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2180
              | ||||||||||||||
Db         15 TNTTTTTTTTTTTT 1


RESULT 1506
US-08-452-196A-4
; Sequence 4, Application US/08452196A
; Patent No. 5576427
;  GENERAL INFORMATION:
;    APPLICANT:  Cook, Philip D.
;    APPLICANT:  Delecki, Daniel J.
;    APPLICANT:  Guinosso, Charles
;    TITLE OF INVENTION:  ACYCLIC NUCLEOSIDE
;    TITLE OF INVENTION:  ANALOGS AND
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE
;    TITLE OF INVENTION:  SEQUENCES
```

```
;    TITLE OF INVENTION:  CONTAINING THEM
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Patent Department
;      STREET:  9 Great Valley Parkway
;      CITY:  Malvern
;      STATE:  Pennsylvania
;      COUNTRY:  USA
;      ZIP:  19355
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch,
;      MEDIUM TYPE:  1.4 MB storage
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Macintosh 7.1
;      SOFTWARE:  Microsoft Word 5.0B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/452,196A
;      FILING DATE:  26-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/040,326
;      FILING DATE:  30 March 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul E. Dupont
;      REGISTRATION NUMBER:  27,438
;      REFERENCE/DOCKET NUMBER:  2525
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)889-6338
;      TELEFAX:  (215)889-8800
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Nucleic Acid
;      DESCRIPTION:
;    ANTI-SENSE:  yes
;    ORIGINAL SOURCE:  synthesized
;    FEATURE:
;      LOCATION:  13
;      OTHER INFORMATION:  8-[2,2-bis
;      OTHER INFORMATION:  (methoxymethyl)
;      OTHER INFORMATION:  propoxy]-9-
;      OTHER INFORMATION:  methyladenosine
US-08-452-196A-4

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              ||||||||||||| ||
Db          1 AAAAAAAAAAAAANAA 15


RESULT 1507
US-08-452-196A-4/c
; Sequence 4, Application US/08452196A
; Patent No. 5576427
;  GENERAL INFORMATION:
;    APPLICANT:  Cook, Philip D.
;    APPLICANT:  Delecki, Daniel J.
;    APPLICANT:  Guinosso, Charles
;    TITLE OF INVENTION:  ACYCLIC NUCLEOSIDE
;    TITLE OF INVENTION:  ANALOGS AND
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE
;    TITLE OF INVENTION:  SEQUENCES
;    TITLE OF INVENTION:  CONTAINING THEM
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Patent Department
;      STREET:  9 Great Valley Parkway
;      CITY:  Malvern
;      STATE:  Pennsylvania
;      COUNTRY:  USA
;      ZIP:  19355
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch,
;      MEDIUM TYPE:  1.4 MB storage
;      COMPUTER:  Apple Macintosh
;      OPERATING SYSTEM:  Macintosh 7.1
;      SOFTWARE:  Microsoft Word 5.0B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/452,196A
;      FILING DATE:  26-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/040,326
;      FILING DATE:  30 March 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul E. Dupont
;      REGISTRATION NUMBER:  27,438
;      REFERENCE/DOCKET NUMBER:  2525
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)889-6338
;      TELEFAX:  (215)889-8800
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Nucleic Acid
;      DESCRIPTION:
;    ANTI-SENSE:  yes
;    ORIGINAL SOURCE:  synthesized
;    FEATURE:
;      LOCATION:  13
;      OTHER INFORMATION:  8-[2,2-bis
;      OTHER INFORMATION:  (methoxymethyl)
;      OTHER INFORMATION:  propoxy]-9-
;      OTHER INFORMATION:  methyladenosine
US-08-452-196A-4

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              || ||||||||||||
Db         15 TTNTTTTTTTTTTTT 1


RESULT 1508
US-08-461-271-5/c
; Sequence 5, Application US/08461271
; Patent No. 5741643
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
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;      APPLICATION NUMBER:  US/08/461,271
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/087,387
;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-461-271-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
             ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1509
US-08-713-685A-5/c
; Sequence 5, Application US/08713685A
; Patent No. 5817795
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/713,685A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/461,271
;      FILING DATE:
;      APPLICATION NUMBER:  08/087,387
;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-713-685A-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
             ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1510
US-08-689-856-5/c
; Sequence 5, Application US/08689856
; Patent No. 5830658
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/689,856
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-689-856-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
             ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1511
US-08-292-620A-360
; Sequence 360, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
```

```
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  360:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-360

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 9.2e+02;
  Matches    0;  Conservative   14;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ::::::::::::::
Db          2 UUUUUUUUUUUUUU 15


RESULT 1512
US-08-292-620A-360/c
; Sequence 360, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  360:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-360

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         15 AAAAAAAAAAAAAA 2


RESULT 1513
US-08-292-620A-365/c
; Sequence 365, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
```

```
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/292,620A
;       FILING DATE:  August 17, 1994
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;     PRIOR APPLICATION DATA:  including application
;     PRIOR APPLICATION DATA:  described below:                    two
;       APPLICATION NUMBER:  08/008,895
;       FILING DATE:  January 19, 1993
;       APPLICATION NUMBER:  07/989,849
;       FILING DATE:  December 7, 1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  208/149
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  365:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-292-620A-365

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1514
US-08-863-639A-8/c
; Sequence 8, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-8

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAA 2188
              ||||||||||||||
Db         15 TTTTTTTTTTTTAA 2


RESULT 1515
US-08-893-204C-2/c
; Sequence 2, Application US/08893204C
; Patent No. 6043044
;  GENERAL INFORMATION:
;    APPLICANT:  Hudson, Perry B.
;    APPLICANT:  Hakky, Said I.
;    APPLICANT:  Meyer-Siegler, Katherine
;    APPLICANT:  Hakki, A-Hamid
;    TITLE OF INVENTION:  DIAGNOSTIC AND PROGNOSTIC MARKER
;    TITLE OF INVENTION:  FOR METASTATIC ADEMOCARCINOMA
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rosenberg, Klein & Bilker
;      STREET:  3444 Ellicott Center Drive, Suite 105
;      CITY:  Ellicott City
;      STATE:  Maryland
;      COUNTRY:  U.S.A.
;      ZIP:  21043
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inches,
;      MEDIUM TYPE:  1.44Mb storage
;      COMPUTER:  IBM
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  WordPerfect for Windows 7.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/893,204C
;      FILING DATE:  7/15/97
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rosenberg, Morton
;      REGISTRATION NUMBER:  26,049
;      REFERENCE/DOCKET NUMBER:  MR2493-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (410) 465-6678
;      TELEFAX:  (410) 461-3067
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:  yes
;    ANTI-SENSE:  no
;    ORIGINAL SOURCE:  synthetic
;    PUBLICATION INFORMATION:
;      AUTHORS:  Katherine Meyer-Siegler
;      AUTHORS:  Perry Hudson
;      TITLE:  Enhanced Expression of Macrophage Migration
;      TITLE:  Inhibitory Factor in Prostatic Adenocarcinoma Metastases
```

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;      JOURNAL:  Urology
;      VOLUME:  48
;      ISSUE:  3
;      PAGES:  448-452
;      DATE:  1996
;      RELEVANT RESIDUES IN SEQ ID NO:  2: FROM 1 TO 15
US-08-893-204C-2

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              ||||||||||||||
Db         14 GAAAAAAAAAAAAA 1


RESULT 1516
US-08-832-021-17
; Sequence 17, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-17

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAA 2188
              ||||||||||||||
Db          1 TTTTTTTTTTTTAA 14


RESULT 1517
US-08-832-021-19
; Sequence 19, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-19

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAA 2188
              ||||||||||||||
Db          1 TTTTTTTTTTTTAA 14


RESULT 1518
US-08-832-021-20
; Sequence 20, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-20

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAA 2188
              ||||||||||||||
Db          1 TTTTTTTTTTTTAA 14


RESULT 1519
US-08-832-021-22/c
; Sequence 22, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-22

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              ||||||||||||||
```

```
Db         14 TGAAAAAAAAAAAA 1


RESULT 1520
US-08-832-021-23/c
; Sequence 23, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-23

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
             ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1521
US-08-832-021-24/c
; Sequence 24, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-24

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
             ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1522
US-08-832-021-25
; Sequence 25, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-25

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTGAA 1784
             |||||||||||||
Db          2 TTTTTTTTTTGAA 15


RESULT 1523
US-09-070-477-5/c
; Sequence 5, Application US/09070477
; Patent No. 6048974
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/070,477
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/713,685
;      FILING DATE:
;      APPLICATION NUMBER:  08/461,271
;      FILING DATE:
;      APPLICATION NUMBER:  08/087,387
;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
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;      TOPOLOGY:  linear
US-09-070-477-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1524
US-09-071-845-360
; Sequence 360, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  360:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-071-845-360

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 9.2e+02;
  Matches    0;  Conservative   14;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2179
              :::::::::::::
Db          2 UUUUUUUUUUUUU 15


RESULT 1525
US-09-071-845-360/c
; Sequence 360, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  360:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-071-845-360

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
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Db         15 AAAAAAAAAAAAAA 2


RESULT 1526
US-09-071-845-365/c
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; Sequence 365, Application US/09071845
; Patent No. 6132967
; GENERAL INFORMATION:
;   APPLICANT:  Susan Grimm
;   APPLICANT:  Dan T. Stinchcomb
;   APPLICANT:  James McSwiggen
;   APPLICANT:  Sean Sullivan
;   APPLICANT:  Kenneth G. Draper
;   TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;   TITLE OF INVENTION:  DISEASES OR CONDITIONS
;   TITLE OF INVENTION:  RELATED TO LEVELS OF
;   TITLE OF INVENTION:  INTRACELLULAR ADHESION
;   TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;   NUMBER OF SEQUENCES:  2390
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  Lyon & Lyon
;     STREET:  633 West Fifth Street
;     STREET:  Suite 4700
;     CITY:  Los Angeles
;     STATE:  California
;     COUNTRY:  U.S.A.
;     ZIP:  90071-2066
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;     MEDIUM TYPE:  storage
;     COMPUTER:  IBM Compatible
;     OPERATING SYSTEM:  IBM P.C. DOS 5.0
;     SOFTWARE:  Word Perfect 5.1
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/09/071,845
;     FILING DATE:
;     CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/292,620
;     FILING DATE:  August 17, 1994
;     APPLICATION NUMBER:  08/008,895
;     FILING DATE:  January 19, 1993
;     APPLICATION NUMBER:  07/989,849
;     FILING DATE:  December 7, 1992
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  Warburg, Richard J.
;     REGISTRATION NUMBER:  32,327
;     REFERENCE/DOCKET NUMBER:  208/149
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (213) 489-1600
;     TELEFAX:  (213) 955-0440
;     TELEX:  67-3510
; INFORMATION FOR SEQ ID NO:  365:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  15 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
US-09-071-845-365

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
             ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1527
US-08-787-321-5/c
; Sequence 5, Application US/08787321A
; Patent No. 6180777
; GENERAL INFORMATION:
;  APPLICANT: Horn, Thomas
;  TITLE OF INVENTION: SYNTHESIS OF BRANCHED NUCLEIC ACIDS
;  FILE REFERENCE: (1300)-1199.002
;  CURRENT APPLICATION NUMBER: US/08/787,321A
;  CURRENT FILING DATE: 1997-01-03
;  EARLIER APPLICATION NUMBER: US PROV 60/009,918
;  EARLIER FILING DATE: 1996-01-12
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
US-08-787-321-5

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
             ||||||||||||||
Db         14 TGAAAAAAAAAAAA 1


RESULT 1528
US-09-475-947A-158
; Sequence 158, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 158
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: human
;   FEATURE:
;   OTHER INFORMATION: n signifies a, t, c or g.
US-09-475-947A-158

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2180
             |||||||||||  |||
Db          1 TTTTTTTTTTNTTT 15


RESULT 1529
US-09-475-947A-158/c
; Sequence 158, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 158
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: human
;   FEATURE:
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;   OTHER INFORMATION: n signifies a, t, c or g.
US-09-475-947A-158

  Query Match             0.5%;  Score 14;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 9.2e+02;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2800
              ||| ||||||||||
Db         15 AAANAAAAAAAAAA 1


RESULT 1530
US-08-087-387-6/c
; Sequence 6, Application US/08087387
; Patent No. 5473060
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic andtherapeutic applic
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/087,387
;      FILING DATE:  19930702
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-087-387-6

  Query Match             0.5%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         16 AAAAAAAAAAAAAA 3


RESULT 1531
US-08-455-627-6/c
; Sequence 6, Application US/08455627
; Patent No. 5571677
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-627-6

  Query Match             0.5%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         16 AAAAAAAAAAAAAA 3


RESULT 1532
US-08-461-271-6/c
; Sequence 6, Application US/08461271
; Patent No. 5741643
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,271
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/087,387
;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
```

```
;       TELEPHONE:  (415) 358-7855
;       TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  16 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-461-271-6

  Query Match             0.5%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         16 AAAAAAAAAAAAAA 3


RESULT 1533
US-08-713-685A-6/c
; Sequence 6, Application US/08713685A
; Patent No. 5817795
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/713,685A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/461,271
;      FILING DATE:
;      APPLICATION NUMBER:  08/087,387
;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-713-685A-6

  Query Match             0.5%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         16 AAAAAAAAAAAAAA 3


RESULT 1534
US-08-689-856-6/c
; Sequence 6, Application US/08689856
; Patent No. 5830658
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/689,856
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-689-856-6

  Query Match             0.5%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         16 AAAAAAAAAAAAAA 3


RESULT 1535
US-09-070-477-6/c
; Sequence 6, Application US/09070477
; Patent No. 6048974
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
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;       SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/070,477
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/713,685
;       FILING DATE:
;       APPLICATION NUMBER:  08/461,271
;       FILING DATE:
;       APPLICATION NUMBER:  08/087,387
;       FILING DATE:  2-Jul-93
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Stephen C. Macevicz
;       REGISTRATION NUMBER:  30,285
;       REFERENCE/DOCKET NUMBER:  104
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 358-7855
;       TELEFAX:  (415) 358-7794
;   INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  16 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-070-477-6

  Query Match             0.5%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         16 AAAAAAAAAAAAAA 3


RESULT 1536
US-08-882-649A-8/c
; Sequence 8, Application US/08882649A
; Patent No. 6344316
;   GENERAL INFORMATION:
;       APPLICANT: Lockhart, David J.
;                  Chee, Mark
;                  Gunderson, Kevin
;                  Chaoqiang, Lai
;                  Wodicka, Lisa
;                  Cronin, Maureen T.
;                  Lee, Danny
;                  Tran, Huu M.
;                  Matsuzaki, Hajime
;                  McGall, Glenn H.
;       TITLE OF INVENTION: NUCLEIC ACID ANALYSIS TECHNIQUES
;       NUMBER OF SEQUENCES: 32
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Joe Liebeschuetz
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/882,649A
;            FILING DATE: 25-Jun-1997
;            CLASSIFICATION: 435-006.000
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 60/010,471
;            FILING DATE: 23-JAN-1996
;            APPLICATION NUMBER: US 60/035,170
;            FILING DATE: 09-JAN-1997
;            APPLICATION NUMBER: PCT/US97/01603
;            FILING DATE: 22-JAN-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Liebeschuetz, Joe
;            REGISTRATION NUMBER: 37,505
;            REFERENCE/DOCKET NUMBER: 018547-019410US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 8:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 16 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       HYPOTHETICAL: YES
;                     (ix)  Features:
;       SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-08-882-649A-8

  Query Match             0.5%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         16 AAAAAAAAAAAAAA 3


RESULT 1537
US-09-404-296B-17
; Sequence 17, Application US/09404296B
; Patent No. 6559358
; GENERAL INFORMATION:
;  APPLICANT: MURRAY, James Augustus Henry
;  TITLE OF INVENTION: PLANTS WITH MODIFIED GROWTH
;  FILE REFERENCE: 2121-0151P
;  CURRENT APPLICATION NUMBER: US/09/404,296B
;  CURRENT FILING DATE:  1999-09-24
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic degenerate oligonucleotide corresponding to the
;   OTHER INFORMATION: sequences encoding conserved amino acid sequences within the
;   OTHER INFORMATION: cyclin box for PCR amplification of a D2 type cyclin.
US-09-404-296B-17

  Query Match             0.5%;  Score 14;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.1e+03;
  Matches   14;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2690 TGGAGATTTGGAATTG 2705
              |||:|||||||| |||
Db          1 TGGWGATTTGGATTTG 16


RESULT 1538
US-08-584-040-2548/c
; Sequence 2548, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
```

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;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2548:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2548

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         17 AAAAAAAAAAAAAA 4


RESULT 1539
US-08-584-040-2553
; Sequence 2553, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2553:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2553

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 1.4e+03;
  Matches    0;  Conservative   14;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ::::::::::::::
Db          1 UUUUUUUUUUUUUU 14


RESULT 1540
US-09-371-772B-1072/c
; Sequence 1072, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1072
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1072

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              ||||||||||||||
Db         17 AAAAAAAAAAAAAA 4
```

```
RESULT 1541
US-09-371-772B-1077
; Sequence 1077, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1077
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1077

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 1.4e+03;
  Matches    0;  Conservative   14;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2179
              :::::::::::::
Db          1 UUUUUUUUUUUUU 14


RESULT 1542
US-08-584-040-2184
; Sequence 2184, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2184:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2184

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   21.4%;  Pred. No. 1.4e+03;
  Matches    3;  Conservative   11;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1769 GCTTTTTTTTTTTG 1782
              ||:::::::::::|
Db          4 GCUUUUUUUUUUUG 17


RESULT 1543
US-08-584-040-2188
; Sequence 2188, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2188:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
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```
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-2188

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   21.4%;  Pred. No. 1.4e+03;
  Matches    3;  Conservative   11;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTTGA 1783
              |:::::::::::||
Db          1 CUUUUUUUUUUGA 14


RESULT 1544
US-08-584-040-2866
; Sequence 2866, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2866:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2866

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   64.3%;  Pred. No. 1.4e+03;
  Matches    9;  Conservative    5;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1339 TCATTTCAGCCTGA 1352
              :||:::|||||:||
Db          4 UCAUUUCAGCCUGA 17


RESULT 1545
US-08-584-040-2867
; Sequence 2867, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2867:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2867

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   64.3%;  Pred. No. 1.4e+03;
  Matches    9;  Conservative    5;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1339 TCATTTCAGCCTGA 1352
              :||:::|||||:||
Db          3 UCAUUUCAGCCUGA 16


RESULT 1546
US-09-371-772B-729
; Sequence 729, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
```

```
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 729
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-729

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   21.4%;  Pred. No. 1.4e+03;
  Matches    3;  Conservative   11;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1769 GCTTTTTTTTTTTG 1782
              ||:::::::::::|
Db          4 GCUUUUUUUUUUG 17


RESULT 1547
US-09-371-772B-733
; Sequence 733, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 733
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-733

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   21.4%;  Pred. No. 1.4e+03;
  Matches    3;  Conservative   11;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTTGA 1783
              |:::::::::::||
Db          1 CUUUUUUUUUUGA 14


RESULT 1548
US-09-371-772B-1390
; Sequence 1390, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1390
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1390

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   64.3%;  Pred. No. 1.4e+03;
  Matches    9;  Conservative    5;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1339 TCATTTCAGCCTGA 1352
              :||:::|||||:||
Db          4 UCAUUUCAGCCUGA 17


RESULT 1549
US-09-371-772B-1391
; Sequence 1391, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1391
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1391

  Query Match             0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   64.3%;  Pred. No. 1.4e+03;
  Matches    9;  Conservative    5;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1339 TCATTTCAGCCTGA 1352
              :||:::|||||:||
Db          3 UCAUUUCAGCCUGA 16


RESULT 1550
US-09-827-998-1723
; Sequence 1723, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
```

```
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1723
;    LENGTH: 17
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-09-827-998-1723

  Query Match           0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2317 TTGTTGCTGCTTGT 2330
              ||||||||||||||
Db          2 TTGTTGCTGCTTGT 15


RESULT 1551
US-09-827-998-1724
; Sequence 1724, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1724
;    LENGTH: 17
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-09-827-998-1724

  Query Match           0.5%;  Score 14;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2317 TTGTTGCTGCTTGT 2330
              ||||||||||||||
Db          1 TTGTTGCTGCTTGT 14


RESULT 1552
US-09-725-265-44
; Sequence 44, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: ARTIFICIAL SEQUENCE
;    FEATURE:
;    OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-44

  Query Match           0.5%;  Score 14;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              ||||||||||||||
Db          5 GAAAAAAAAAAAAA 18


RESULT 1553
US-09-422-978-4929
; Sequence 4929, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4929
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Homo Sapiens
;    FEATURE:
;    NAME/KEY: primer_bind
;    LOCATION: 1..18
;    OTHER INFORMATION: upstream amplification primer 99-18747 for SEQ 995,
US-09-422-978-4929

  Query Match           0.5%;  Score 14;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 1.6e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        886 CAAAGTGACAGTGG 899
              ||||||||||||||
Db          4 CAAAGTGACAGTGG 17


RESULT 1554
US-09-328-174A-28/c
; Sequence 28, Application US/09328174A
; Patent No. 6448003
; GENERAL INFORMATION:
;  APPLICANT:  Guida, Marco
;  APPLICANT:  Kurth, Janice
;  TITLE OF INVENTION:  Genotyping Human Phenol Sulfotransferase
;  TITLE OF INVENTION:  (STP2)
;  FILE REFERENCE:  4389-6 (formerly SEQ-16P)
;  CURRENT APPLICATION NUMBER: US/09/328,174A
;  CURRENT FILING DATE:  1999-06-08
;  PRIOR APPLICATION NUMBER:  09/328,174
;  PRIOR FILING DATE:  1999-06-08
```

```
;  NUMBER OF SEQ ID NOS:  110
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 28
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-328-174A-28

  Query Match             0.5%;  Score 14;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 1.9e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTT 2176
              ||||||||||||||
Db         17 TCCTTTTTTTTTTT 4


RESULT 1555
US-08-715-461-3
; Sequence 3, Application US/08715461
; Patent No. 5985556
;  GENERAL INFORMATION:
;    APPLICANT:  KAMBARA, Hideki
;    APPLICANT:  OKANO, Kazunori
;    TITLE OF INVENTION:  DNA SEQUENCING METHOD AND DNA SAMPLE
;    TITLE OF INVENTION:  PREPARATION METHOD
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ANTONELLI, TERRY STOUT & KRAUS
;      STREET:  1300 No. 5985556th Seventeenth Street, Suite 1800
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22209
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/715,461
;      FILING DATE:  18-SEP-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  TERRY, David T.
;      REGISTRATION NUMBER:  20,178
;      REFERENCE/DOCKET NUMBER:  500.34872X00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-312-6600
;      TELEFAX:  703-312-6666
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-715-461-3

  Query Match             0.5%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ||||||||||||||
Db          1 TTTTTTTTTTTTTT 14


RESULT 1556
US-08-715-461-4
; Sequence 4, Application US/08715461
; Patent No. 5985556
;  GENERAL INFORMATION:
;    APPLICANT:  KAMBARA, Hideki
;    APPLICANT:  OKANO, Kazunori
;    TITLE OF INVENTION:  DNA SEQUENCING METHOD AND DNA SAMPLE
;    TITLE OF INVENTION:  PREPARATION METHOD
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ANTONELLI, TERRY STOUT & KRAUS
;      STREET:  1300 No. 5985556th Seventeenth Street, Suite 1800
;      CITY:  Arlington
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22209
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/715,461
;      FILING DATE:  18-SEP-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  TERRY, David T.
;      REGISTRATION NUMBER:  20,178
;      REFERENCE/DOCKET NUMBER:  500.34872X00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-312-6600
;      TELEFAX:  703-312-6666
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-715-461-4

  Query Match             0.5%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ||||||||||||||
Db          1 TTTTTTTTTTTTTT 14


RESULT 1557
US-07-994-133-17
; Sequence 17, Application US/07994133
; Patent No. 5436392
;  GENERAL INFORMATION:
;    APPLICANT:  Thomas, John C.
;    APPLICANT:  Bohnert, Hans J.
;    APPLICANT:  Kanost, Michael R.
;    TITLE OF INVENTION:  TRANSGENIC PLANTS EXPRESSING M. SEXTA
;    TITLE OF INVENTION:  PROTEASE INHIBITOR
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Greenlee and Winner
;      STREET:  5370 Manhattan Circle, Suite 201
;      CITY:  Boulder
;      STATE:  CO
;      COUNTRY:  USA
;      ZIP:  80303
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/994,133
;      FILING DATE:  19921221
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Greenlee, Lorance L.
;      REGISTRATION NUMBER:  27,894
;      REFERENCE/DOCKET NUMBER:  48-92
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  303/499-8080
;      TELEFAX:  303/499-8089
;      TELEX:  823189
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-07-994-133-17

  Query Match             0.5%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        861 CGCTCCTCAGCTCT 874
              ||||||||||||||
Db          1 CGCTCCTCAGCTCT 14


RESULT 1558
US-08-088-658-33
; Sequence 33, Application US/08088658
; Patent No. 5641625
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5641625ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/088,658
;      FILING DATE:  19930702
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/054,363
;      FILING DATE:  26-APRIL-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lucci, Joseph
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-1052
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-088-658-33

  Query Match             0.5%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   70.0%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTT 2174
              |||||||       |||||||
Db          1 TTTTTTTNNNNNNTTTTTT 20


RESULT 1559
US-08-471-907A-33
; Sequence 33, Application US/08471907A
; Patent No. 5986053
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5986053ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/471,907A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/088,658
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lucci, Joseph
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-1052
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-471-907A-33

  Query Match             0.5%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   70.0%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTT 2174
              |||||||       |||||||
Db          1 TTTTTTTNNNNNNTTTTTT 20


RESULT 1560
US-09-487-368A-32
```

```
; Sequence 32, Application US/09487368A
; Patent No. 6261840
; GENERAL INFORMATION:
;  APPLICANT:      Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE:      RTS-0093
;  CURRENT APPLICATION NUMBER: US/09/487,368A
;  CURRENT FILING DATE:  2000-01-18
;  NUMBER OF SEQ ID NOS:      240
; SEQ ID NO 32
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-368A-32

  Query Match             0.5%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2005 TCTTCAGAGATCAA 2018
             ||||||||||||||
Db          6 TCTTCAGAGATCAA 19


RESULT 1561
US-09-484-617-130/c
; Sequence 130, Application US/09484617
; Patent No. 6303374
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 3 EXPRESSION
;  FILE REFERENCE: RTS-0103
;  CURRENT APPLICATION NUMBER: US/09/484,617
;  CURRENT FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 130
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-484-617-130

  Query Match             0.5%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2000 TAGCTTCTTCAGAG 2013
             ||||||||||||||
Db         20 TAGCTTCTTCAGAG 7


RESULT 1562
US-09-629-644A-32
; Sequence 32, Application US/09629644A
; Patent No. 6602857
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 32
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-32

  Query Match             0.5%;  Score 14;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   14;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2005 TCTTCAGAGATCAA 2018
             ||||||||||||||
Db          6 TCTTCAGAGATCAA 19


RESULT 1563
US-08-584-040-2554
; Sequence 2554, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2554:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2554

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 1.5e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;
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Qy       2172 TTTTTTTTTTTTTTAA 2188
              ::::::::::::::  ||
Db          1 UUUUUUUUUUUUUCCAA 17


RESULT 1564
US-09-371-772B-1078
; Sequence 1078, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1078
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1078

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 1.5e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2172 TTTTTTTTTTTTTTAA 2188
              ::::::::::::::  ||
Db          1 UUUUUUUUUUUUUCCAA 17


RESULT 1565
US-07-976-103A-41/c
; Sequence 41, Application US/07976103A
; Patent No. 5645985
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/976,103A
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  41:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-07-976-103A-41

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTT 2172
              ||||| ||||||| |||
Db         17 TTTTTCCTCCTTTCTTT 1


RESULT 1566
US-08-554-612C-33
; Sequence 33, Application US/08554612C
; Patent No. 5747660
;  GENERAL INFORMATION:
;    APPLICANT:  Orlicky, David
;    TITLE OF INVENTION:  PROSTAGLANDIN F2' RECEPTOR REGULATORY
;    TITLE OF INVENTION:  PROTEIN AND THERAPEUTIC USES
;    NUMBER OF SEQUENCES:  51
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  2200 Sand Hill Road, Suite 100
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/554,612C
;      FILING DATE:  No. 5747660ember 6, 1995
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sherwood, Pamela
;      REGISTRATION NUMBER:  36,677
;      REFERENCE/DOCKET NUMBER:  06519/004001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 322-5070
;      TELEFAX:  (415) 854-0875
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-554-612C-33

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1041 GGAGGCGGAAAGCCGCT 1057
              ||||||||| || ||||
Db          1 GGAGGCGGAGAGTCGCT 17
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RESULT 1567
US-08-473-481-41/c
; Sequence 41, Application US/08473481
; Patent No. 5830653
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/473,481
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/976,103
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/965,941
;      FILING DATE:  23-OCT-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,352
;      FILING DATE:  14-NOV-1994
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/935,444
;      FILING DATE:  25-AUG-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/799,824
;      FILING DATE:  26-NOV-1991
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3D
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  41:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-473-481-41

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTT 2172
              ||||| ||||||| |||
Db         17 TTTTTCCTCCTTTCTTT 1


RESULT 1568
US-08-985-162-662
; Sequence 662, Application US/08985162
; Patent No. 6057156
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/985,162
;      FILING DATE:  04 December 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  662:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-985-162-662

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   29.4%;  Pred. No. 1.5e+03;
  Matches    5;  Conservative   10;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTTT 2169
              ||:  ::::|:||::::
Db          1 GAUAGUUUUCUCCUUUU 17


RESULT 1569
US-08-534-220-4
; Sequence 4, Application US/08534220
; Patent No. 6107027
;  GENERAL INFORMATION:
;    APPLICANT:  Kay, Mark A.
;    APPLICANT:  Lieber, Andre
;    TITLE OF INVENTION:  RIBOZYMES FOR TREATING HEPATITIS C
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew
```

```
;       STREET:  One Market Plaza, Steuart Street Tower
;       CITY:  San Francisco
;       STATE:  CA
;       COUNTRY:  US
;       ZIP:  94105-1492
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/534,220
;       FILING DATE:
;       CLASSIFICATION:  424
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/476,257
;       FILING DATE:  07-JUN-1995
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/357,508
;       FILING DATE:  14-DEC-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Parmelee, Steven W.
;       REGISTRATION NUMBER:  31,990
;       REFERENCE/DOCKET NUMBER:  14863-11-2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  206-467-9600
;       TELEFAX:  415-543-5043
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  RNA (genomic)
US-08-534-220-4

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        439 CCAGCCGGCGCCCACAG 455
              ||| ||| |||||||||
Db          1 CCAACCGTCGCCCACAG 17


RESULT 1570
US-09-050-159-64
; Sequence 64, Application US/09050159A
; Patent No. 6197505
; GENERAL INFORMATION:
;  APPLICANT: No. 6197505berg, Leif T
;  APPLICANT: Andersson, Maria K
;  APPLICANT: Linstrom, Per H
;  TITLE OF INVENTION: METHODS FOR ASSESSING CARDIOVASCULAR STATUS AND
;  TITLE OF INVENTION: COMPOSITIONS FOR USE THEREOF
;  FILE REFERENCE: 1248/1D042
;  CURRENT APPLICATION NUMBER: US/09/050,159A
;  CURRENT FILING DATE: 1998-03-27
;  EARLIER APPLICATION NUMBER: 60/042,930
;  EARLIER FILING DATE: 1987-04-03
;  NUMBER OF SEQ ID NOS: 133
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 64
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: PCR PRIMER
US-09-050-159-64

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        483 GCCAGAGCCAGGAGGGA 499
              ||||||||||| || ||
Db          1 GCCAGAGCCAGCAGAGA 17


RESULT 1571
US-08-584-040-2544
; Sequence 2544, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2544:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2544

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 1.5e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTT 2175
              : :|: |::::::::::
Db          1 UCUCUACUUUUUUUUU 17


RESULT 1572
US-08-584-040-2556/c
; Sequence 2556, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
```

```
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2556:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2556

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAA 2797
              | ||| ||||||||||
Db         17 ATTTGGAAAAAAAAAAA 1


RESULT 1573
US-08-584-040-2557/c
; Sequence 2557, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2557:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2557

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAA 2796
              || ||| ||||||||||
Db         17 GATTTGGAAAAAAAAAA 1


RESULT 1574
US-08-584-040-4298
; Sequence 4298, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
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;       APPLICATION NUMBER:  US/08/584,040
;       FILING DATE:  January 11, 1996
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/005,974
;       FILING DATE:  October 26, 1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  218/064
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  4298:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-4298

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 1.5e+03;
  Matches   12;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2552 AAGAGGATGCTGGGCTC 2568
              ||||||| |:|| |:|
Db          1 AAGAGGAUUCUGGACUC 17


RESULT 1575
US-08-584-040-4299
; Sequence 4299, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  4299:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-4299

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   64.7%;  Pred. No. 1.5e+03;
  Matches   11;  Conservative    4;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2553 AGAGGATGCTGGGCTCT 2569
              |||||: |:|| |:|:
Db          1 AGAGGAUUCUGGACUCU 17


RESULT 1576
US-08-584-040-5858
; Sequence 5858, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  5858:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-5858

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 1.5e+03;
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  Matches   12;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2552 AAGAGGATGCTGGGCTC 2568
              ||||||| |:|| |:|
Db          1 AAGAGGAUUCUGGACUC 17


RESULT 1577
US-08-584-040-5859
; Sequence 5859, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  5859:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-5859

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   64.7%;  Pred. No. 1.5e+03;
  Matches   11;  Conservative    4;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2553 AGAGGATGCTGGGCTCT 2569
              ||||||: |:|| |:|:
Db          1 AGAGGAUUCUGGACUCU 17


RESULT 1578
US-08-584-040-7818
; Sequence 7818, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7818:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7818

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 1.5e+03;
  Matches    0;  Conservative   15;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2182
              :::::: :::::: :::
Db          1 UUUUUUGUUUUUUGUUU 17


RESULT 1579
US-08-584-040-7818/c
; Sequence 7818, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
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;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7818:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7818

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2802
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Db         17 AAACAAAAAACAAAAAA 1


RESULT 1580
US-08-584-040-7819
; Sequence 7819, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7819:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7819

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 1.5e+03;
  Matches    0;  Conservative   15;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
              ::::: :::::: ::::
Db          1 UUUUUGUUUUUUGUUUU 17


RESULT 1581
US-08-584-040-7819/c
; Sequence 7819, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
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;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  7819:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-7819

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||| |||||| |||||
Db         17 AAAACAAAAAACAAAAA 1


RESULT 1582
US-08-599-738A-41/c
; Sequence 41, Application US/08599738A
; Patent No. 6380368
;  GENERAL INFORMATION:
;     APPLICANT:  FROEHLER, BRIAN
;     APPLICANT:  WAGNER, RICK
;     APPLICANT:  MATTEUCCI, MARK
;     APPLICANT:  JONES, ROBERT J.
;     APPLICANT:  GUTIERREZ, ARNOLD J.
;     APPLICANT:  PUDLO, JEFF
;     TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;     TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;     NUMBER OF SEQUENCES:  53
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  GILEAD SCIENCES, INC.
;       STREET:  353 Lakeside Drive
;       CITY:  Foster City
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94404
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/599,738A
;       FILING DATE:  12-FEB-1996
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/473,481
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/976,103
;       FILING DATE:  25-NOV-1992
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/965,941
;       FILING DATE:  23-OCT-1992
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/338,352
;       FILING DATE:  14-NOV-1994
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/935,444
;       FILING DATE:  25-AUG-1992
;       CLASSIFICATION:  536
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/799,824
;       FILING DATE:  26-NOV-1991
;       CLASSIFICATION:  536
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  MUENCHAU, DARYL D.
;       REGISTRATION NUMBER:  36,616
;       REFERENCE/DOCKET NUMBER:  162.3D2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 573-4712
;       TELEFAX:  (415) 573-4899
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  41:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-599-738A-41

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2156 TTTTTTCTCCTTTTTTT 2172
              ||||| ||||||| |||
Db         17 TTTTTCCTCCTTTCTTT 1


RESULT 1583
US-09-474-432B-558
; Sequence 558, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka
;  APPLICANT:  Sweedler, David
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleo
;  FILE REFERENCE: MBHB00-831-B (247/276)
;  CURRENT APPLICATION NUMBER: US/09/474,432B
;  CURRENT FILING DATE:  1999-12-19
;  PRIOR APPLICATION NUMBER: US 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  PRIOR APPLICATION NUMBER: US 60/084,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: US 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: US 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  NUMBER OF SEQ ID NOS: 1526
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 558
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-474-432B-558

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   5.9%;  Pred. No. 1.5e+03;
  Matches    1;  Conservative   14;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTTT 2181
              |::::::: :::: :::
Db          1 CUUUUUUUGUUUUGUUU 17


RESULT 1584
US-09-474-432B-559
; Sequence 559, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
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```
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka
;  APPLICANT:  Sweedler, David
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
;  FILE REFERENCE: MBHB00-831-B (247/276)
;  CURRENT APPLICATION NUMBER: US/09/474,432B
;  CURRENT FILING DATE:  1999-12-19
;  PRIOR APPLICATION NUMBER: US 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  PRIOR APPLICATION NUMBER: US 60/084,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: US 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: US 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  NUMBER OF SEQ ID NOS: 1526
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 559
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-474-432B-559

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   5.9%;  Pred. No. 1.5e+03;
  Matches    1;  Conservative   14;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2171 TTTTTTTTTTTTTTTA 2187
              ::: :::: ::::::::|
Db          1 UUUGUUUUGUUUUUUA 17


RESULT 1585
US-09-371-772B-1068
; Sequence 1068, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1068
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1068

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 1.5e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTT 2175
              : :|: |::::::::::
Db          1 UCUCUACUUUUUUUUUU 17


RESULT 1586
US-09-371-772B-1080/c
; Sequence 1080, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1080
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1080

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAA 2797
              | ||| ||||||||||||
Db         17 ATTTGGAAAAAAAAAAA 1


RESULT 1587
US-09-371-772B-1081/c
; Sequence 1081, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1081
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1081

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAAA 2796
              || ||| ||||||||||
Db         17 GATTTGGAAAAAAAAAA 1


RESULT 1588
```

```
US-09-371-772B-2065
; Sequence 2065, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2065
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-2065

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   70.6%;  Pred. No. 1.5e+03;
  Matches   12;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2552 AAGAGGATGCTGGGCTC 2568
              ||||||: |:|| |:|
Db          1 AAGAGGAUUCUGGACUC 17


RESULT 1589
US-09-371-772B-2066
; Sequence 2066, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2066
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-2066

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   64.7%;  Pred. No. 1.5e+03;
  Matches   11;  Conservative    4;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2553 AGAGGATGCTGGGCTCT 2569
              ||||||: |:|| |:|:
Db          1 AGAGGAUUCUGGACUCU 17


RESULT 1590
US-09-371-772B-3602
; Sequence 3602, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3602
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3602

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 1.5e+03;
  Matches    0;  Conservative   15;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
              :::::: :::::: :::
Db          1 UUUUUUGUUUUUUGUUU 17


RESULT 1591
US-09-371-772B-3602/c
; Sequence 3602, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3602
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3602

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2802
              ||| |||||| ||||||
Db         17 AAACAAAAAACAAAAAA 1


RESULT 1592
US-09-371-772B-3603
; Sequence 3603, Application US/09371772B
```

```
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3603
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3603

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 1.5e+03;
  Matches    0;  Conservative   15;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
              ::::: :::::: ::::
Db          1 UUUUUGUUUUUUGUUUU 17


RESULT 1593
US-09-371-772B-3603/c
; Sequence 3603, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3603
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3603

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2802
              |||| |||||| |||||
Db         17 AAAACAAAAAACAAAAA 1


RESULT 1594
US-09-371-772B-5435
; Sequence 5435, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5435
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-5435

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 1.5e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2158 TTTTCTCCTTTTTTTT 2174
              :: :|: |:::::::::
Db          1 UUCUCUACUUUUUUUUU 17


RESULT 1595
US-09-371-772B-6328
; Sequence 6328, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6328
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-6328

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 1.5e+03;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1503 AGAAACACAGGAAATAA 1519
              ||| |||||||||: |
Db          1 AGAGACACAGGAAAUUA 17


RESULT 1596
US-09-476-387-557
; Sequence 557, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
```

```
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
;  FILE REFERENCE: MBHB00-831-C (249/073)
;  CURRENT APPLICATION NUMBER: US/09/476,387
;  CURRENT FILING DATE:  2001-04-04
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 557
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-476-387-557

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   5.9%;  Pred. No. 1.5e+03;
  Matches    1;  Conservative   14;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2181
              |::::::: :::: :::
Db          1 CUUUUUUUGUUUUGUU 17


RESULT 1597
US-09-476-387-558
; Sequence 558, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
;  FILE REFERENCE: MBHB00-831-C (249/073)
;  CURRENT APPLICATION NUMBER: US/09/476,387
;  CURRENT FILING DATE:  2001-04-04
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 558
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-476-387-558

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   5.9%;  Pred. No. 1.5e+03;
  Matches    1;  Conservative   14;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2171 TTTTTTTTTTTTTTTA 2187
              ::: :::: :::::::|
Db          1 UUUGUUUUGUUUUUUA 17


RESULT 1598
US-09-401-063-662
; Sequence 662, Application US/09401063
; Patent No. 6623962
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/401,063
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/985,162
;      FILING DATE:  04 December 1997
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  662:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-401-063-662

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   29.4%;  Pred. No. 1.5e+03;
  Matches    5;  Conservative   10;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTCTCCTTTT 2169
              ||:  ::::|:||:::: 
Db          1 GAUAGUUUUCUCCUUUU 17


RESULT 1599
US-09-827-998-212/c
; Sequence 212, Application US/09827998
; Patent No. 6656700
```

```
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 212
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-212

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2312 GCAATTTGTTGCTGCTT 2328
              ||||||||  ||||  |||
Db         17 GCAATTTGATGCTTCTT 1


RESULT 1600
US-09-827-998-483
; Sequence 483, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 483
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-483

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2801
              ||||||||||  |||  ||
Db          1 GAAAAAAAAAGAAAGAA 17


RESULT 1601
US-09-827-998-484
; Sequence 484, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 484
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-484

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||||||||  |||  |||
Db          1 AAAAAAAAAGAAAGAAA 17


RESULT 1602
US-09-827-998-484/c
; Sequence 484, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 484
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-484

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2182
              |||  |||  |||||||||
Db         17 TTTCTTTCTTTTTTTTT 1


RESULT 1603
US-09-827-998-1717
; Sequence 1717, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
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; SEQ ID NO 1717
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1717

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2310 AAGCAATTTGTTGCTGC 2326
              |||| | ||||||||||
Db             1 AAGCCAGTTGTTGCTGC 17


RESULT 1604
US-09-827-998-1718
; Sequence 1718, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1718
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1718

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2311 AGCAATTTGTTGCTGCT 2327
              ||| | ||||||||||
Db             1 AGCCAGTTGTTGCTGCT 17


RESULT 1605
US-09-827-998-1719
; Sequence 1719, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1719
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1719

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2312 GCAATTTGTTGCTGCTT 2328
              || | ||||||||||||
Db             1 GCCAGTTGTTGCTGCTT 17


RESULT 1606
US-09-827-998-1720
; Sequence 1720, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1720
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1720

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2313 CAATTTGTTGCTGCTTG 2329
              | | ||||||||||||||
Db             1 CCAGTTGTTGCTGCTTG 17


RESULT 1607
US-09-866-108A-1346/c
; Sequence 1346, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
```

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;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1346
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-1346

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1785 CCCCATTCTTTCCTTCT 1801
                ||||||  |||||||||
Db         17 CCCCATCTTTTCCTTCT 1


RESULT 1608
US-09-866-108A-2062/c
; Sequence 2062, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2062
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-2062

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1365 TTGGCAGCCAGGCCATC 1381
                | |||||  |||||||||
Db         17 TGGGCAGGCAGGCCATC 1


RESULT 1609
US-09-866-108A-2670
; Sequence 2670, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2670
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-2670

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         44 CCCGCGCGCGGCGGGGG 60
                || | ||||||||||||
Db          1 CCTGGGCGCGGCGGGGG 17


RESULT 1610
US-09-866-108A-2671
; Sequence 2671, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
```

```
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2671
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-2671

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         45 CCGCGCGCGGCGGGGGC 61
              | | ||||||||||||||
Db          1 CTGGGCGCGGCGGGGGC 17


RESULT 1611
US-09-866-108A-5938
; Sequence 5938, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 5938
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-5938

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        681 ACCAGATGGACGAGGTG 697
              ||||| |||| ||||||
Db          1 ACCAGCTGGAGGAGGTG 17


RESULT 1612
US-09-866-108A-5939
; Sequence 5939, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 5939
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-5939

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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Qy        682 CCAGATGGACGAGGTGC 698
              |||| |||| |||||||
Db          1 CCAGCTGGAGGAGGTGC 17


RESULT 1613
US-09-866-108A-7642/c
; Sequence 7642, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7642
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7642

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1685 TTAGTTGTTTCTCTAGC 1701
              || |||| |||||||||
Db         17 TTTGTTGGTTCTCTAGC 1


RESULT 1614
US-09-866-108A-7643/c
; Sequence 7643, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7643
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7643

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1684 CTTAGTTGTTTCTCTAG 1700
              ||| |||| ||||||||
Db         17 CTTTGTTGGTTCTCTAG 1


RESULT 1615
US-09-866-108A-7697
; Sequence 7697, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7697
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7697

Query Match 0.5%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 605 GACCTGCTGCTGCCCCA 621
||||||| |||| ||||
Db 1 GACCTGCAGCTGGCCCA 17

RESULT 1616
US-09-866-108A-9304
; Sequence 9304, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 9304
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-9304

Query Match 0.5%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 452 ACAGGCAGCCAGCAGCA 468
|||| |||||| |||||
Db 1 ACAGTCAGCCACCAGCA 17

RESULT 1617
US-09-866-108A-9305
; Sequence 9305, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 9305
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-9305

Query Match 0.5%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 453 CAGGCAGCCAGCAGCAG 469
||| |||||| ||||||
Db 1 CAGTCAGCCACCAGCAG 17

RESULT 1618
US-09-866-108A-10658
; Sequence 10658, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng

```
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10658
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10658

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         476 CCCGGCCGCCAGAGCCA 492
               |||||  ||||||||||
Db           1 CCCGGTGGCCAGAGCCA 17


RESULT 1619
US-09-866-108A-10659
; Sequence 10659, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10659
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10659

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 17;
  Best Local Similarity   88.2%;  Pred. No. 1.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         477 CCGGCCGCCAGAGCCAG 493
               ||||  ||||||||||
Db           1 CCGGTGGCCAGAGCCAG 17


RESULT 1620
US-08-271-942A-92
; Sequence 92, Application US/08271942A
; Patent No. 5550020
;  GENERAL INFORMATION:
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  123
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,942A
;      FILING DATE:  08-JUL-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  92:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
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;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 11 of human RB1 gene
US-08-271-942A-92

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2074 ATCTGACACACTCTAAA 2090
              ||||||  |||||  ||||
Db          2 ATCTGAAACACTATAAA 18


RESULT 1621
US-08-583-435-2/c
; Sequence 2, Application US/08583435
; Patent No. 5659022
;  GENERAL INFORMATION:
;    APPLICANT:  Kutyavin, Igor V.
;    APPLICANT:  Lukhtanov, Eugeny A.
;    APPLICANT:  Gamper, Howard B.
;    APPLICANT:  Meyer Jr., Rich B.
;    APPLICANT:  Gall, Alexander
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE-CYCLOPROPAPYRROLOINDOLE
;    TITLE OF INVENTION:  CONJUGATES AS SEQUENCE SPECIFIC HYBRIDIZATION AND
;    TITLE OF INVENTION:  CROSSLINKING AGENTS FOR NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klein & Szekeres
;      STREET:  4199 Campus Drive, Suite 700
;      CITY:  Irvine
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92715
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/583,435
;      FILING DATE:  05-JAN-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Szekeres, Gabor L.
;      REGISTRATION NUMBER:  28,675
;      REFERENCE/DOCKET NUMBER:  491-12-PA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-854-5502
;      TELEFAX:  714-854-4897
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-583-435-2

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       165 CCATGTTGTGGAAAATA 181
             |||||||||| |||| |
Db        17 CCATGTTGTGCAAAAAA 1


RESULT 1622
US-08-583-435-5/c
; Sequence 5, Application US/08583435
; Patent No. 5659022
;  GENERAL INFORMATION:
;    APPLICANT:  Kutyavin, Igor V.
;    APPLICANT:  Lukhtanov, Eugeny A.
;    APPLICANT:  Gamper, Howard B.
;    APPLICANT:  Meyer Jr., Rich B.
;    APPLICANT:  Gall, Alexander
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE-CYCLOPROPAPYRROLOINDOLE
;    TITLE OF INVENTION:  CONJUGATES AS SEQUENCE SPECIFIC HYBRIDIZATION AND
;    TITLE OF INVENTION:  CROSSLINKING AGENTS FOR NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klein & Szekeres
;      STREET:  4199 Campus Drive, Suite 700
;      CITY:  Irvine
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92715
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/583,435
;      FILING DATE:  05-JAN-1996
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Szekeres, Gabor L.
;      REGISTRATION NUMBER:  28,675
;      REFERENCE/DOCKET NUMBER:  491-12-PA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-854-5502
;      TELEFAX:  714-854-4897
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  misc_binding
;      LOCATION:  1
;      OTHER INFORMATION:  /bound_moiety= "phosphorothioate"
US-08-583-435-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       165 CCATGTTGTGGAAAATA 181
             |||||||||| |||| |
Db        17 CCATGTTGTGCAAAAAA 1


RESULT 1623
US-08-583-435-7/c
; Sequence 7, Application US/08583435
; Patent No. 5659022
;  GENERAL INFORMATION:
;    APPLICANT:  Kutyavin, Igor V.
;    APPLICANT:  Lukhtanov, Eugeny A.
;    APPLICANT:  Gamper, Howard B.
;    APPLICANT:  Meyer Jr., Rich B.
;    APPLICANT:  Gall, Alexander
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE-CYCLOPROPAPYRROLOINDOLE
;    TITLE OF INVENTION:  CONJUGATES AS SEQUENCE SPECIFIC HYBRIDIZATION AND
;    TITLE OF INVENTION:  CROSSLINKING AGENTS FOR NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klein & Szekeres
;      STREET:  4199 Campus Drive, Suite 700
;      CITY:  Irvine
```

; STATE: CA
; COUNTRY: USA
; ZIP: 92715
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/583,435
; FILING DATE: 05-JAN-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Szekeres, Gabor L.
; REGISTRATION NUMBER: 28,675
; REFERENCE/DOCKET NUMBER: 491-12-PA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-854-5502
; TELEFAX: 714-854-4897
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: misc_binding
; LOCATION: 1
; OTHER INFORMATION: /bound_moiety= "phosphorothioate"
; OTHER INFORMATION: /note= "attached to the sulphur is a moiety called
; OTHER INFORMATION: 2-(acetyl-6-aminohexanoyl)-1,2,8,8a-tetrahydro-7-
; OTHER INFORMATION: methylcyclopropa[c]pyrrolo[3,2-e]indol-4(5H)-one"
US-08-583-435-7

Query Match 0.5%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.7e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 165 CCATGTTGTGGAAAATA 181
||||||||||| |||| |
Db 17 CCATGTTGTGCAAAAAA 1

RESULT 1624
US-08-488-212A-51/c
; Sequence 51, Application US/08488212A
; Patent No. 5665355
; GENERAL INFORMATION:
; APPLICANT: Primi, Daniele
; TITLE OF INVENTION: Diagnosis and Treatment of
; TITLE OF INVENTION: AIDS Onset
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Thomas E. Popovich, Thomas
; ADDRESSEE: Popovich & Associates
; STREET: 80 South 8th Street
; CITY: Minneapolis
; STATE: Minnesota
; COUNTRY: USA
; ZIP: 55402-2111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 MB
; MEDIUM TYPE: Storage
; COMPUTER: IBM Compatible Compaq Prolinea
; COMPUTER: 4/66
; OPERATING SYSTEM: MS-DOS Version 5
; SOFTWARE: Microsoft Word for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/488,212A
; FILING DATE: 07-Jun-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/973,485
; FILING DATE: No. 5665355ember 9, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Thomas E. Popovich
; REGISTRATION NUMBER: 30099
; REFERENCE/DOCKET NUMBER: 3678
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (612) 334-8991
; TELEFAX: (612) 334-8994
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 bases
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: Other nucleic acid
; MOLECULE TYPE: (oligonucleotide useful in amplification of T Cell Receptor
; MOLECULE TYPE: Va region)
; HYPOTHETICAL: No
; ORIGINAL SOURCE: Synthesized using
; ORIGINAL SOURCE: oligonucleotide synthesis machine
; PUBLICATION INFORMATION:
; AUTHORS: Imberti, Luisa; Sottini,
; AUTHORS: Alessandra; Bettinardi, Alessandra; Puoti, Massimo; Primi,
; AUTHORS: Daniele
; TITLE: Selective Depletion in HIV Infection
; TITLE: of T Cells That Bear Specific T Cell Receptor Vb Sequences
; JOURNAL: Science
; VOLUME: 254
; ISSUE: 5033
; PAGES: 860-862
; PUBLICATION DATE: No. 5665355ember 8, 1991
US-08-488-212A-51

Query Match 0.5%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.7e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 793 TCAGAAGGAGCTGGTGG 809
||||||||| |||| ||
Db 17 TCAGAAGGAACTGGAGG 1

RESULT 1625
US-08-487-046-5
; Sequence 5, Application US/08487046
; Patent No. 5753489
; GENERAL INFORMATION:
; APPLICANT: Kistner, Otfried
; APPLICANT: Barrett, No. 57534891
; APPLICANT: Mundt, Wolfgang
; APPLICANT: Dorner, Friedrich
; TITLE OF INVENTION: METHOD FOR PRODUCING VIRUSES AND VACCINES IN SERUM-FREE CULTU
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,046
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/338,761
; FILING DATE: 10-NOV-1994
; ATTORNEY/AGENT INFORMATION:

```
;       NAME:  Bent, Stephen A.
;       REGISTRATION NUMBER:  29,768
;       REFERENCE/DOCKET NUMBER:  30472/197/IMMU
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202)672-5300
;       TELEFAX:  (202)672-5399
;       TELEX:  904136
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-487-046-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2181
              ||||||||| | |||||
Db          2 CTTTTTTTTCTCTTTT 18


RESULT 1626
US-08-487-046-6/c
; Sequence 6, Application US/08487046
; Patent No. 5753489
;  GENERAL INFORMATION:
;    APPLICANT:  Kistner, Otfried
;    APPLICANT:  Barrett, No. 57534891
;    APPLICANT:  Mundt, Wolfgang
;    APPLICANT:  Dorner, Friedrich
;    TITLE OF INVENTION:  METHOD FOR PRODUCING VIRUSES AND VACCINES IN SERUM-FREE CULTU
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,046
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,761
;      FILING DATE:  10-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/197/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-487-046-6

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2181
              ||||||||| | |||||
Db         17 CTTTTTTTTCTCTTTT 1


RESULT 1627
US-08-483-522-5
; Sequence 5, Application US/08483522
; Patent No. 5756341
;  GENERAL INFORMATION:
;    APPLICANT:  Kistner, Otfried
;    APPLICANT:  Barrett, No. 57563411
;    APPLICANT:  Mundt, Wolfgang
;    APPLICANT:  Dorner, Friedrich
;    TITLE OF INVENTION:  METHOD FOR INCREASING THE INFECTIVITY OF
;    TITLE OF INVENTION:  VIRUSES
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/483,522
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,761
;      FILING DATE:  10-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/199/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-483-522-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2181
              ||||||||| | |||||
Db          2 CTTTTTTTTCTCTTTT 18


RESULT 1628
US-08-483-522-6/c
; Sequence 6, Application US/08483522
; Patent No. 5756341
;  GENERAL INFORMATION:
;    APPLICANT:  Kistner, Otfried
;    APPLICANT:  Barrett, No. 57563411
;    APPLICANT:  Mundt, Wolfgang
```

```
;    APPLICANT:  Dorner, Friedrich
;    TITLE OF INVENTION:  METHOD FOR INCREASING THE INFECTIVITY OF
;    TITLE OF INVENTION:  VIRUSES
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/483,522
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,761
;      FILING DATE:  10-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/199/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-483-522-6

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2181
              ||||||||| | |||||
Db         17 CTTTTTTTTCTCTTTTT 1


RESULT 1629
US-08-384-324-2/c
; Sequence 2, Application US/08384324
; Patent No. 5844110
;  GENERAL INFORMATION:
;    APPLICANT:  Gold, Barry I.
;    TITLE OF INVENTION:  Synthetic Triple Helix-Forming Compounds
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street, Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/384,324
;      FILING DATE:  31-JAN-1995
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;      REFERENCE/DOCKET NUMBER:  63076
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-4100
;      TELEFAX:  (215) 563-4044
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  YES
US-08-384-324-2

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2801
              ||||| |||||| ||||
Db         17 GAAAAGAAAAAAGAAAA 1


RESULT 1630
US-08-384-324-4
; Sequence 4, Application US/08384324
; Patent No. 5844110
;  GENERAL INFORMATION:
;    APPLICANT:  Gold, Barry I.
;    TITLE OF INVENTION:  Synthetic Triple Helix-Forming Compounds
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street, Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/384,324
;      FILING DATE:  31-JAN-1995
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;      REFERENCE/DOCKET NUMBER:  63076
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-4100
;      TELEFAX:  (215) 563-4044
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  YES
US-08-384-324-4

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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```
Qy       2165 CTTTTTTTTTTTTTTT 2181
              |||| |||||||| |||
Db          2 CTTTCTTTTTTTTCTTT 18


RESULT 1631
US-08-320-306-51/c
; Sequence 51, Application US/08320306
; Patent No. 5891623
;  GENERAL INFORMATION:
;    APPLICANT:  Primi, Daniele
;    TITLE OF INVENTION:  Diagnosis and Treatment of
;    TITLE OF INVENTION:  AIDS Onset
;    NUMBER OF SEQUENCES:  57
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Thomas E. Popovich, Thomas
;      ADDRESSEE:  Popovich & Associates
;      STREET:  80 South 8th Street
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55402-2111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 MB
;      MEDIUM TYPE:  Storage
;      COMPUTER:  IBM Compatible Compaq Prolinea
;      COMPUTER:  4/66
;      OPERATING SYSTEM:  MS-DOS Version 5
;      SOFTWARE:  Microsoft Word for Windows
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/320,306
;      FILING DATE:  06-OCT-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/973,485
;      FILING DATE:  No. 5891623ember 9, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thomas E. Popovich
;      REGISTRATION NUMBER:  30099
;      REFERENCE/DOCKET NUMBER:  3678
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (612) 334-8991
;      TELEFAX:  (612) 334-8994
;  INFORMATION FOR SEQ ID NO:  51:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  Other nucleic acid
;    MOLECULE TYPE:  (oligonucleotide useful in amplification of T Cell Receptor
;    MOLECULE TYPE:  Va region)
;    HYPOTHETICAL:  No
;    ORIGINAL SOURCE:  Synthesized using
;    ORIGINAL SOURCE:  oligonucleotide synthesis machine
;    PUBLICATION INFORMATION:
;      AUTHORS:  Imberti, Luisa; Sottini,
;      AUTHORS:  Alessandra; Bettinardi, Alessandra; Puoti, Massimo; Primi,
;      AUTHORS:  Daniele
;      TITLE:  Selective Depletion in HIV Infection
;      TITLE:  of T Cells That Bear Specific T Cell Receptor Vb Sequences
;      JOURNAL:  Science
;      VOLUME:  254
;      ISSUE:  5033
;      PAGES:  860-862
;      PUBLICATION DATE:  No. 5891623ember 8, 1991
US-08-320-306-51

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        793 TCAGAAGGAGCTGGTGG 809
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```
                |||||||| |||| ||
Db          17 TCAGAAGGAACTGGAGG 1


RESULT 1632
US-08-488-209B-51/c
; Sequence 51, Application US/08488209B
; Patent No. 5925513
;  GENERAL INFORMATION:
;    APPLICANT:  Primi, Daniele
;    TITLE OF INVENTION:  Diagnosis and Treatment of
;    TITLE OF INVENTION:  AIDS Onset
;    NUMBER OF SEQUENCES:  57
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Thomas E. Popovich, Thomas
;      ADDRESSEE:  Popovich & Associates
;      STREET:  80 South 8th Street
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55402-2111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 MB
;      MEDIUM TYPE:  Storage
;      COMPUTER:  IBM Compatible Compaq Prolinea
;      COMPUTER:  4/66
;      OPERATING SYSTEM:  MS-DOS Version 5
;      SOFTWARE:  Microsoft Word for Windows
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/488,209B
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/973,485
;      FILING DATE:  No. 5925513ember 9, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thomas E. Popovich
;      REGISTRATION NUMBER:  30099
;      REFERENCE/DOCKET NUMBER:  3678
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (612) 334-8991
;      TELEFAX:  (612) 334-8994
;  INFORMATION FOR SEQ ID NO:  51:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  Other nucleic acid
;    MOLECULE TYPE:  (oligonucleotide useful in amplification of T Cell Receptor
;    MOLECULE TYPE:  Va region)
;    HYPOTHETICAL:  No
;    ORIGINAL SOURCE:  Synthesized using
;    ORIGINAL SOURCE:  oligonucleotide synthesis machine
;    PUBLICATION INFORMATION:
;      AUTHORS:  Imberti, Luisa; Sottini,
;      AUTHORS:  Alessandra; Bettinardi, Alessandra; Puoti, Massimo; Primi,
;      AUTHORS:  Daniele
;      TITLE:  Selective Depletion in HIV Infection
;      TITLE:  of T Cells That Bear Specific T Cell Receptor Vb Sequences
;      JOURNAL:  Science
;      VOLUME:  254
;      ISSUE:  5033
;      PAGES:  860-862
;      PUBLICATION DATE:  No. 5925513ember 8, 1991
US-08-488-209B-51

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        793 TCAGAAGGAGCTGGTGG 809
              |||||||| |||| ||
```

```
Db         17 TCAGAAGGAACTGGAGG 1


RESULT 1633
US-08-408-011-51/c
; Sequence 51, Application US/08408011
; Patent No. 5928642
;  GENERAL INFORMATION:
;    APPLICANT:  Primi, Daniele
;    TITLE OF INVENTION:  Diagnosis and Treatment of
;    TITLE OF INVENTION:  AIDS Onset
;    NUMBER OF SEQUENCES:  57
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Thomas E. Popovich, Thomas
;      ADDRESSEE:  Popovich & Associates
;      STREET:  80 South 8th Street
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55402-2111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 MB
;      MEDIUM TYPE:  Storage
;      COMPUTER:  IBM Compatible Compaq Prolinea
;      COMPUTER:  4/66
;      OPERATING SYSTEM:  MS-DOS Version 5
;      SOFTWARE:  Microsoft Word for Windows
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/408,011
;      FILING DATE:  18-OCT-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/973,485
;      FILING DATE:  No. 5928642ember 9, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thomas E. Popovich
;      REGISTRATION NUMBER:  30099
;      REFERENCE/DOCKET NUMBER:  3678
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (612) 334-8991
;      TELEFAX:  (612) 334-8994
;  INFORMATION FOR SEQ ID NO:  51:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  Other nucleic acid
;    MOLECULE TYPE:  (oligonucleotide useful in amplification of T Cell Receptor
;    MOLECULE TYPE:  Va region)
;    HYPOTHETICAL:  No
;    ORIGINAL SOURCE:  Synthesized using
;    ORIGINAL SOURCE:  oligonucleotide synthesis machine
;    PUBLICATION INFORMATION:
;      AUTHORS:  Imberti, Luisa; Sottini,
;      AUTHORS:  Alessandra; Bettinardi, Alessandra; Puoti, Massimo; Primi,
;      AUTHORS:  Daniele
;      TITLE:  Selective Depletion in HIV Infection
;      TITLE:  of T Cells That Bear Specific T Cell Receptor Vb Sequences
;      JOURNAL:  Science
;      VOLUME:  254
;      ISSUE:  5033
;      PAGES:  860-862
;      PUBLICATION DATE:  No. 5928642ember 8, 1991
US-08-408-011-51

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        793 TCAGAAGGAGCTGGTGG 809
              ||||||||| |||| ||
Db         17 TCAGAAGGAACTGGAGG 1


RESULT 1634
US-09-161-015-21
; Sequence 21, Application US/09161015A
; Patent No. 5965370
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RhoG EXPRESSION
;  FILE REFERENCE: RTS-0015
;  CURRENT APPLICATION NUMBER: US/09/161,015A
;  CURRENT FILING DATE: 1998-09-25
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 21
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-161-015-21

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1498 AATGGAGAAACACAGGA 1514
              ||||||||||| | ||
Db          2 AATGGAGAAACAGATGA 18


RESULT 1635
US-08-857-946-8
; Sequence 8, Application US/08857946
; Patent No. 5994075
;  GENERAL INFORMATION:
;    APPLICANT:  Goodfellow, P.N.
;    TITLE OF INVENTION:  METHODS FOR IDENTIFYING A MUTATION IN A
;    TITLE OF INVENTION:  GENE OF INTEREST
;    NUMBER OF SEQUENCES:  162
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Banner & Witcoff, Inc.
;      STREET:  75 State Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109-1807
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/857,946
;      FILING DATE:  16-MAY-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/60/017,824
;      FILING DATE:  17-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kathleen M. Williams
;      REGISTRATION NUMBER:  34,380
;      REFERENCE/DOCKET NUMBER:  3529/05573
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-345-9100
;      TELEFAX:  617-345-9111
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
US-08-857-946-8
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  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGC 67
              ||||||| | |||||||
Db          1 GCGGCGGCGACGGCGGC 17


RESULT 1636
US-08-696-497B-14
; Sequence 14, Application US/08696497B
; Patent No. 6007231
;  GENERAL INFORMATION:
;    APPLICANT:  Vijg, Jan and Bishop, Robert
;    TITLE OF INVENTION:  Method of Computer Aided
;    TITLE OF INVENTION:  Diagnostic DNA Test Design, and Apparatus Therefor
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rines & Rines
;      STREET:  81 No. 6007231th State Street
;      CITY:  Concord
;      STATE:  NH
;      COUNTRY:  USA
;      ZIP:  03301
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch
;      COMPUTER:  IBM PC
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  Microsoft No. 6007231epad
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/696,497B
;      FILING DATE:  14-AUG-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:  No. 6007231e
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rines, Robert H.
;      REGISTRATION NUMBER:  15,932
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (603) 228-0121
;      TELEFAX:  (603) 228-0210
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    IMMEDIATE SOURCE:
;      LIBRARY:  genomic
;    POSITION IN GENOME:
;      CHROMOSOME/SEGMENT:  17/p
US-08-696-497B-14

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2623 AACTTTGTCTCGTTCCT 2639
              |||| |||||| |||||
Db          2 AACTCTGTCTCCTTCCT 18


RESULT 1637
US-08-970-740-8
; Sequence 8, Application US/08970740
; Patent No. 6015670
;  GENERAL INFORMATION:
;    APPLICANT:  Goodfellow, P.N.
;    TITLE OF INVENTION:  METHODS FOR IDENTIFYING A MUTATION IN A
;    TITLE OF INVENTION:  GENE OF INTEREST
;    NUMBER OF SEQUENCES:  162
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Banner & Witcoff, Inc.
;      STREET:  28 State Street, 28th Floor
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/970,740
;      FILING DATE:  14-NOV-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/857,946
;      FILING DATE:  16-MAY-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/017,824
;      FILING DATE:  17-MAY-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kathleen M. Williams
;      REGISTRATION NUMBER:  34,380
;      REFERENCE/DOCKET NUMBER:  3529/59829
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-227-7111
;      TELEFAX:  617-227-4399
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
US-08-970-740-8

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGC 67
              ||||||| | |||||||
Db          1 GCGGCGGCGACGGCGGC 17


RESULT 1638
US-08-779-916A-92
; Sequence 92, Application US/08779916A
; Patent No. 6063567
;  GENERAL INFORMATION:
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    APPLICANT:  Hui, May
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  123
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
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;       SOFTWARE:  Word Perfect
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/779,916A
;       FILING DATE:  07-JAN-1997
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/271,942
;       FILING DATE:  08-JUL-1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Marina T. Larson
;       REGISTRATION NUMBER:  32,038
;       REFERENCE/DOCKET NUMBER:  VGEN.P-003-US2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (914) 245-3252
;       TELEFAX:  (914) 962-4330
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  92:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  genomic DNA
;     HYPOTHETICAL:  no
;     ANTI-SENSE:  no
;     FRAGMENT TYPE:  internal
;     ORIGINAL SOURCE:
;       ORGANISM:  human
;     FEATURE:
;       NAME/KEY:  primer for exon 11 of human RB1 gene
US-08-779-916A-92

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2074 ATCTGACACACTCTAAA 2090
                |||||| ||||| ||||
Db          2 ATCTGAAACACTATAAA 18


RESULT 1639
US-09-143-212-10/c
; Sequence 10, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia and Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
;  FILE REFERENCE: RTS-0005
;  CURRENT APPLICATION NUMBER: US/09/143,212B
;  CURRENT FILING DATE: 1998-08-28
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 10
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1191 GAAATGAGATGGCAGCT 1207
                ||  ||||||||||||||
Db         17 GAGGTGAGATGGCAGCT 1


RESULT 1640
US-09-143-212-45
; Sequence 45, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia and Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
;  FILE REFERENCE: RTS-0005
;  CURRENT APPLICATION NUMBER: US/09/143,212B
;  CURRENT FILING DATE: 1998-08-28
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 45
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-45

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGC 67
              | |||||  |||||||||
Db          2 GTGGCGGCGGCGGCGGC 18


RESULT 1641
US-08-584-040-4458/c
; Sequence 4458, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  4458:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
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;      TOPOLOGY:  linear
US-08-584-040-4458

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2687 AAATGGAGATTTGGAAT 2703
              ||||||||||  || |||
Db         18 AAATGGAGATCTGTAAT 2


RESULT 1642
US-09-686-179A-2
; Sequence 2, Application US/09686179A
; Patent No. 6350580
; GENERAL INFORMATION:
;  APPLICANT: Sorge, Joseph
;  TITLE OF INVENTION: Methods for Detection of a Target Nucleic Acid Using a
;  TITLE OF INVENTION:  Probe Comprising Secondary Structure
;  FILE REFERENCE: 25436/1140
;  CURRENT APPLICATION NUMBER: US/09/686,179A
;  CURRENT FILING DATE:  2000-10-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: synthetic oligonucleotide fragment of cleaved template
US-09-686-179A-2

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              ||||  |||  ||||||||
Db          1 AAAATAAATAAAAAAAA 17


RESULT 1643
US-09-686-179A-2/c
; Sequence 2, Application US/09686179A
; Patent No. 6350580
; GENERAL INFORMATION:
;  APPLICANT: Sorge, Joseph
;  TITLE OF INVENTION: Methods for Detection of a Target Nucleic Acid Using a
;  TITLE OF INVENTION:  Probe Comprising Secondary Structure
;  FILE REFERENCE: 25436/1140
;  CURRENT APPLICATION NUMBER: US/09/686,179A
;  CURRENT FILING DATE:  2000-10-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: synthetic oligonucleotide fragment of cleaved template
US-09-686-179A-2

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
              ||||||||  |||  ||||
Db         17 TTTTTTTTATTTATTTT 1


RESULT 1644
US-08-679-645-1167/c
; Sequence 1167, Application US/08679645
; Patent No. 6350934
;  GENERAL INFORMATION:
;    APPLICANT:  Zwick, Michael G.
;    APPLICANT:  Edington, Brent E.
;    APPLICANT:  McSwiggen, James A.
;    APPLICANT:  Merlo, Patricia Ann Owens
;    APPLICANT:  Guo, Lining
;    APPLICANT:  Skokut, Thomas A.
;    APPLICANT:  Young, Scott A.
;    APPLICANT:  Folkerts, Otto
;    APPLICANT:  Merlo, Donald J.
;    TITLE OF INVENTION:  COMPOSITION AND METHODS FOR
;    TITLE OF INVENTION:  MODULATION OF GENE EXPRESSION
;    TITLE OF INVENTION:  IN PLANTS
;    NUMBER OF SEQUENCES:  1263
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/679,645
;      FILING DATE:  July 12, 1996
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/001,135
;      FILING DATE:  July 13, 1995
;      APPLICATION NUMBER:  08/300,726
;      FILING DATE:  September 2, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  219/247
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1167:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-679-645-1167

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGC 67
              ||  ||||  |||||||||
Db         18 GCTGCGGCGGCGGCGGC 2


RESULT 1645
US-09-015-188-13
; Sequence 13, Application US/09015188C
; Patent No. 6399358
; GENERAL INFORMATION:
;  APPLICANT: Williams, Kevin J
```

```
;  APPLICANT: Tabas, Ira
;  TITLE OF INVENTION: A Human Gene Encoding Human Chondroitin
;  TITLE OF INVENTION: 6-Sulfotransferase
;  FILE REFERENCE: JEFF-0231
;  CURRENT APPLICATION NUMBER: US/09/015,188C
;  CURRENT FILING DATE: 1998-01-29
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-015-188-13

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        998 TTGCGGGAGAAGTTGGA 1014
              ||||||||||  |||| |
Db          1 TTGCGGGAGAGGTTGTA 17


RESULT 1646
US-09-387-341-164
; Sequence 164, Application US/09387341
; Patent No. 6410323
; GENERAL INFORMATION:
;  APPLICANT: Roberts, M. Luisa
;  APPLICANT: Cowsert, Lex M.
;  TITLE OF INVENTION: Antisense Modulation of Human Rho Family Gene
;  TITLE OF INVENTION: Expression
;  FILE REFERENCE: ISPH-0404
;  CURRENT APPLICATION NUMBER: US/09/387,341
;  CURRENT FILING DATE: 1999-08-31
;  EARLIER APPLICATION NUMBER: 09/156,424
;  EARLIER FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 09/156,979
;  EARLIER FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 09/156,807
;  EARLIER FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 09/161,015
;  EARLIER FILING DATE: 1998-09-25
;  NUMBER OF SEQ ID NOS: 233
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 164
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-09-387-341-164

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1498 AATGGAGAAACACAGGA 1514
              ||||||||||||  | ||
Db          2 AATGGAGAAACAGATGA 18


RESULT 1647
US-09-000-286A-23
; Sequence 23, Application US/09000286A
; Patent No. 6449562
; GENERAL INFORMATION:
;  APPLICANT: Luminex Corporation
;  APPLICANT:  Chandler, Van S.
;  APPLICANT:  Fulton, Jerrold R.
;  APPLICANT:  Chandler, Mark B.
;  TITLE OF INVENTION: Multiplexed Analysis of Clinical Specimens Apparatus and Method
;  FILE REFERENCE: 112802.500
;  CURRENT APPLICATION NUMBER: US/09/000,286A
;  CURRENT FILING DATE:  1998-08-18
;  PRIOR APPLICATION NUMBER: PCT/US96/16198
;  PRIOR FILING DATE: 1996-10-10
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-09-000-286A-23

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1489 CCTGGAGAAAATGGAGA 1505
              |||||||||  | |||||
Db          2 CCTGGAGAAGAAGGAGA 18


RESULT 1648
US-09-000-286A-24/c
; Sequence 24, Application US/09000286A
; Patent No. 6449562
; GENERAL INFORMATION:
;  APPLICANT: Luminex Corporation
;  APPLICANT:  Chandler, Van S.
;  APPLICANT:  Fulton, Jerrold R.
;  APPLICANT:  Chandler, Mark B.
;  TITLE OF INVENTION: Multiplexed Analysis of Clinical Specimens Apparatus and Method
;  FILE REFERENCE: 112802.500
;  CURRENT APPLICATION NUMBER: US/09/000,286A
;  CURRENT FILING DATE:  1998-08-18
;  PRIOR APPLICATION NUMBER: PCT/US96/16198
;  PRIOR FILING DATE: 1996-10-10
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Homo sapiens
US-09-000-286A-24

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1489 CCTGGAGAAAATGGAGA 1505
              |||||||||  | |||||
Db         17 CCTGGAGAAGAAGGAGA 1


RESULT 1649
US-09-422-978-9550/c
; Sequence 9550, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
```

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;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9550
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: downstream amplification primer 99-5636 for SEQ 1685, in compleme
US-09-422-978-9550

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        932 TGCTTAAATGCCTCGTT 948
              || | ||||||||||||
Db         17 TGGTGAAATGCCTCGTT 1


RESULT 1650
US-09-434-354-22
; Sequence 22, Application US/09434354
; Patent No. 6562563
; GENERAL INFORMATION:
;  APPLICANT: Murphy, Anne N.
;  APPLICANT: Clevenger, William
;  APPLICANT: Wiley, Sandra Eileen
;  APPLICANT: Andreyev, Alexander Y.
;  APPLICANT: Frigeri, Luciano G.
;  APPLICANT: Velicelebi, Gonul
;  APPLICANT: Davis, Robert E.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETERMINING
;  TITLE OF INVENTION: INTERACTIONS OF MITOCHONDRIAL COMPONENTS, AND FOR
;  TITLE OF INVENTION: IDENTIFYING AGENTS THAT ALTER SUCH INTERACTIONS
;  FILE REFERENCE: 660088.433
;  CURRENT APPLICATION NUMBER: US/09/434,354
;  CURRENT FILING DATE: 1999-11-03
;  NUMBER OF SEQ ID NOS: 54
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 22
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Sequencing primer
US-09-434-354-22

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1129 TGAAGCCGAATTTCCTA 1145
              ||||||  ||| ||||||
Db          1 TGAAGCGGAAGTTCCTA 17


RESULT 1651
US-09-371-772B-2171/c
; Sequence 2171, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2171
;   LENGTH: 18
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-2171

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2687 AAATGGAGATTTGGAAT 2703
              |||||||||| || |||
Db         18 AAATGGAGATCTGTAAT 2


RESULT 1652
US-09-981-621-2
; Sequence 2, Application US/09981621
; Patent No. 6589743
; GENERAL INFORMATION:
;  APPLICANT: Sorge, Joseph
;  TITLE OF INVENTION: Methods for Detection of a Target Nucleic Acid Using a
;  TITLE OF INVENTION:  Probe Comprising Secondary Structure
;  FILE REFERENCE: 25436/1140
;  CURRENT APPLICATION NUMBER: US/09/981,621
;  CURRENT FILING DATE:  2001-10-17
;  PRIOR APPLICATION NUMBER: US/09/686,179
;  PRIOR FILING DATE: 2000-10-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: synthetic oligonucleotide fragment of cleaved template
US-09-981-621-2

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              |||| ||| ||||||||
Db          1 AAAATAAATAAAAAAAA 17


RESULT 1653
US-09-981-621-2/c
; Sequence 2, Application US/09981621
; Patent No. 6589743
; GENERAL INFORMATION:
;  APPLICANT: Sorge, Joseph
;  TITLE OF INVENTION: Methods for Detection of a Target Nucleic Acid Using a
;  TITLE OF INVENTION:  Probe Comprising Secondary Structure
;  FILE REFERENCE: 25436/1140
;  CURRENT APPLICATION NUMBER: US/09/981,621
;  CURRENT FILING DATE:  2001-10-17
;  PRIOR APPLICATION NUMBER: US/09/686,179
;  PRIOR FILING DATE: 2000-10-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

```
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: synthetic oligonucleotide fragment of cleaved template
US-09-981-621-2

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTT 2182
              |||||||| ||| ||||
Db         17 TTTTTTTTATTTATTTT 1


RESULT 1654
PCT-US95-08604-92
; Sequence 92, Application PC/TUS9508604
;  GENERAL INFORMATION:
;    APPLICANT:  Visible Genetics Inc.
;    APPLICANT:  HSC Reasearch and Development Limitied Partnership
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  125
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/08604
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/271,942
;      FILING DATE:  08-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-WO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  92:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 11 of human RB1 gene
PCT-US95-08604-92

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2074 ATCTGACACACTCTAAA 2090
              |||||| ||||| ||||
Db          2 ATCTGAAACACTATAAA 18


RESULT 1655
PCT-US96-01473-2/c
; Sequence 2, Application PC/TUS9601473
;  GENERAL INFORMATION:
;    APPLICANT:  University of Nebraska, Board of Regents
;    APPLICANT:  Gold, Barry I.
;    TITLE OF INVENTION:  Synthetic Triple Helix-Forming Compounds
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street    Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/01473
;      FILING DATE:  29-JAN-1996
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/384,324
;      FILING DATE:  01-FEB-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-4100
;      TELEFAX:  (215) 563-4044
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  YES
PCT-US96-01473-2

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2801
              ||||| |||||| ||||
Db         17 GAAAAGAAAAAAGAAAA 1


RESULT 1656
PCT-US96-01473-4
; Sequence 4, Application PC/TUS9601473
;  GENERAL INFORMATION:
;    APPLICANT:  University of Nebraska, Board of Regents
;    APPLICANT:  Gold, Barry I.
;    TITLE OF INVENTION:  Synthetic Triple Helix-Forming Compounds
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street    Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
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```
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/01473
;      FILING DATE:  29-JAN-1996
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/384,324
;      FILING DATE:  01-FEB-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-4100
;      TELEFAX:  (215) 563-4044
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  YES
PCT-US96-01473-4

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 18;
  Best Local Similarity   88.2%;  Pred. No. 1.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2181
              |||| |||||||| |||
Db          2 CTTTCTTTTTTTTCTTT 18


RESULT 1657
US-08-196-218-5
; Sequence 5, Application US/08196218
; Patent No. 5614619
;  GENERAL INFORMATION:
;    APPLICANT:  Piepersberg, Wolfgang
;    APPLICANT:  Stockmann, Michael
;    APPLICANT:  Taleghani, Kampiz Mansouri
;    APPLICANT:  Distler, Jurgen
;    APPLICANT:  Grabley, Susanne
;    APPLICANT:  Sichel, Petra
;    APPLICANT:  Brau, Barbara
;    TITLE OF INVENTION:  Secondary-Metabolite Biosynthesis Genes
;    TITLE OF INVENTION:  From Actinomycetes, Method of Isolating Them, and Their
;    TITLE OF INVENTION:  Use.
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  United States
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/196,218
;      FILING DATE:  25-AUG-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ogden, Stasia L.
;      REGISTRATION NUMBER:  36,228
;      REFERENCE/DOCKET NUMBER:  02481.1372-00000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-196-218-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        243 ATCCGCGGGTCCCCCAC 259
              |||||| ||||| ||||
Db          1 ATCCGCAGGTCCACCAC 17


RESULT 1658
US-08-487-759-1
; Sequence 1, Application US/08487759
; Patent No. 5660989
;  GENERAL INFORMATION:
;    APPLICANT:  Cole, James L.
;    APPLICANT:  Olsen, David B.
;    APPLICANT:  Kuo, Lawrence C.
;    TITLE OF INVENTION:  DNA POLYMERASE EXTENSION ASSAY FOR
;    TITLE OF INVENTION:  INFLUENZA VIRUS ENDONUCLEASE
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ms. Joanne J. Giesser
;      STREET:  126 E. Lincoln Avenue, P.O. Box 2000-0907
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,759
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Giesser, Joanne M.
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19393
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908)-594-3046
;      TELEFAX:  (908)-594-4720
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-487-759-1

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18
```

```
RESULT 1659
US-08-681-953-5
; Sequence 5, Application US/08681953
; Patent No. 5710032
; GENERAL INFORMATION:
;    APPLICANT:  Piepersberg, Wolfgang
;    APPLICANT:  Stockmann, Michael
;    APPLICANT:  Taleghani, Kampiz Mansouri
;    APPLICANT:  Distler, Jurgen
;    APPLICANT:  Grabley, Susanne
;    APPLICANT:  Sichel, Petra
;    APPLICANT:  Brau, Barbara
;    TITLE OF INVENTION:  Secondary-Metabolite Biosynthesis Genes
;    TITLE OF INVENTION:  From Actinomycetes, Method of Isolating Them, and Their
;    TITLE OF INVENTION:  Use.
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W.
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  United States
;      ZIP:  20005-3315
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/681,953
;      FILING DATE:  30-JUL-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/196,218
;      FILING DATE:  25-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ogden, Stasia L.
;      REGISTRATION NUMBER:  36,228
;      REFERENCE/DOCKET NUMBER:  02481.1372-00000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-681-953-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        243 ATCCGCGGGTCCCCCAC 259
              ||||||  |||||  ||||
Db          1 ATCCGCAGGTCCACCAC 17


RESULT 1660
US-08-486-408-12
; Sequence 12, Application US/08486408
; Patent No. 5716846
; GENERAL INFORMATION:
;    APPLICANT:  Brown, Steven Joel
;    APPLICANT:  Dattagupta, Nanibhushan
;    APPLICANT:  Naidu, Yathi M.
;    TITLE OF INVENTION:  METHOD FOR INHIBITING CELLULAR
;    TITLE OF INVENTION:  PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
;    TITLE OF INVENTION:  mRNA
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gen-Probe Incorporated
;      STREET:  9880 Campus Point Drive
;      CITY:  San Diego
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,408
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fisher, Carlos A
;      REGISTRATION NUMBER:  36,510
;      REFERENCE/DOCKET NUMBER:  CBI009
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-535-2807
;      TELEFAX:  619-546-7929
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-486-408-12

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        455 GGCAGCCAGCAGCAGGC 471
              |||||||||||||  ||
Db          2 GGCAGCCAGCAGCGCGC 18


RESULT 1661
US-08-807-104-1
; Sequence 1, Application US/08807104
; Patent No. 5861501
; GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
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;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-807-104-1

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1662
US-08-807-104-4
; Sequence 4, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-807-104-4

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1663
US-08-807-104-6
; Sequence 6, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
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;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-807-104-6

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1664
US-08-807-104-7
; Sequence 7, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-807-104-7

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1665
US-08-807-104-8
; Sequence 8, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  6...6
;      OTHER INFORMATION:
US-08-807-104-8
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  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1666
US-08-807-104-9
; Sequence 9, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  6...6
;      OTHER INFORMATION:
US-08-807-104-9

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1667
US-08-807-104-10
; Sequence 10, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  19...19
;      OTHER INFORMATION:
US-08-807-104-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
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Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1668
US-08-807-104-13
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; Sequence 13, Application US/08807104
; Patent No. 5861501
; GENERAL INFORMATION:
;   APPLICANT:  BENSELER, FRITZ
;   APPLICANT:  COLE, JAMES L.
;   APPLICANT:  OLSEN, DAVID B.
;   APPLICANT:  KUO, LAWRENCE C.
;   TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;   TITLE OF INVENTION:  APTAMERS
;   NUMBER OF SEQUENCES:  21
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;     STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;     CITY:  RAHWAY
;     STATE:  NJ
;     COUNTRY:  USA
;     ZIP:  07065
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Diskette
;     COMPUTER:  IBM Compatible
;     OPERATING SYSTEM:  DOS
;     SOFTWARE:  FastSEQ for Windows Version 2.0
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/807,104
;     FILING DATE:  04-FEB-1997
;     CLASSIFICATION:  514
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  08/480,068
;     FILING DATE:  07-JUN-1995
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  YABLONSKY, MICHAEL D
;     REGISTRATION NUMBER:  40,407
;     REFERENCE/DOCKET NUMBER:  19406DA
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  732-594-4678
;     TELEFAX:  732-594-4720
;     TELEX:
; INFORMATION FOR SEQ ID NO:  13:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  19 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  Genomic RNA
;   FEATURE:
;     NAME/KEY:  Modified Base
;     LOCATION:  1...1
;     OTHER INFORMATION:
US-08-807-104-13

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::||  :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1669
US-08-807-104-14
; Sequence 14, Application US/08807104
; Patent No. 5861501
; GENERAL INFORMATION:
;   APPLICANT:  BENSELER, FRITZ
;   APPLICANT:  COLE, JAMES L.
;   APPLICANT:  OLSEN, DAVID B.
;   APPLICANT:  KUO, LAWRENCE C.
;   TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;   TITLE OF INVENTION:  APTAMERS
;   NUMBER OF SEQUENCES:  21
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;     STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;     CITY:  RAHWAY
;     STATE:  NJ
;     COUNTRY:  USA
;     ZIP:  07065
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Diskette
;     COMPUTER:  IBM Compatible
;     OPERATING SYSTEM:  DOS
;     SOFTWARE:  FastSEQ for Windows Version 2.0
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/807,104
;     FILING DATE:  04-FEB-1997
;     CLASSIFICATION:  514
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  08/480,068
;     FILING DATE:  07-JUN-1995
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  YABLONSKY, MICHAEL D
;     REGISTRATION NUMBER:  40,407
;     REFERENCE/DOCKET NUMBER:  19406DA
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  732-594-4678
;     TELEFAX:  732-594-4720
;     TELEX:
; INFORMATION FOR SEQ ID NO:  14:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH:  19 base pairs
;     TYPE:  nucleic acid
;     STRANDEDNESS:  single
;     TOPOLOGY:  linear
;   MOLECULE TYPE:  Genomic RNA
;   FEATURE:
;     NAME/KEY:  Modified Base
;     LOCATION:  1...1
;     OTHER INFORMATION:
;     NAME/KEY:  Modified Base
;     LOCATION:  1...1
;     OTHER INFORMATION:
;     NAME/KEY:  Modified Base
;     LOCATION:  2...2
;     OTHER INFORMATION:
US-08-807-104-14

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::||  :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1670
US-08-807-104-15
; Sequence 15, Application US/08807104
; Patent No. 5861501
; GENERAL INFORMATION:
;   APPLICANT:  BENSELER, FRITZ
;   APPLICANT:  COLE, JAMES L.
;   APPLICANT:  OLSEN, DAVID B.
;   APPLICANT:  KUO, LAWRENCE C.
;   TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;   TITLE OF INVENTION:  APTAMERS
;   NUMBER OF SEQUENCES:  21
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;     STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;     CITY:  RAHWAY
;     STATE:  NJ
;     COUNTRY:  USA
;     ZIP:  07065
;   COMPUTER READABLE FORM:
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;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ for Windows Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/807,104
;       FILING DATE:  04-FEB-1997
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/480,068
;       FILING DATE:  07-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  YABLONSKY, MICHAEL D
;       REGISTRATION NUMBER:  40,407
;       REFERENCE/DOCKET NUMBER:  19406DA
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  732-594-4678
;       TELEFAX:  732-594-4720
;       TELEX:
;  INFORMATION FOR SEQ ID NO:  15:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  13...13
;       OTHER INFORMATION:
US-08-807-104-15

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1671
US-08-807-104-16
; Sequence 16, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  12...12
;      OTHER INFORMATION:
US-08-807-104-16

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1672
US-08-975-570-12
; Sequence 12, Application US/08975570
; Patent No. 5945336
;  GENERAL INFORMATION:
;    APPLICANT:  Brown, Steven Joel
;    APPLICANT:  Dattagupta, Nanibhushan
;    APPLICANT:  Naidu, Yathi M.
;    TITLE OF INVENTION:  METHOD FOR INHIBITING CELLULAR
;    TITLE OF INVENTION:  PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN
;    TITLE OF INVENTION:  mRNA
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gen-Probe Incorporated
;      STREET:  9880 Campus Point Drive
;      CITY:  San Diego
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/975,570
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/486,408
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
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;       NAME:  Fisher, Carlos A
;       REGISTRATION NUMBER:  36,510
;       REFERENCE/DOCKET NUMBER:  CBI009
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619-535-2807
;       TELEFAX:  619-546-7929
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  12:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-975-570-12

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        455 GGCAGCCAGCAGCAGGC 471
              |||||||||||||  ||
Db          2 GGCAGCCAGCAGCGCGC 18


RESULT 1673
US-08-996-306-46
; Sequence 46, Application US/08996306
; Patent No. 5945522
;  GENERAL INFORMATION:
;    APPLICANT:  Cohen, Daniel
;    APPLICANT:  Chumakov, Ilya
;    APPLICANT:  Blumenfeld, Marta
;    APPLICANT:  Bougueleret, Lydie
;    TITLE OF INVENTION:  Prostate cancer gene
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson & Bear
;      STREET:  501 West Broadway
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92101-3505
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Win95
;      SOFTWARE:  Word
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/996,306
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Israelsen, Ned A.
;      REGISTRATION NUMBER:  29,655
;      REFERENCE/DOCKET NUMBER:  GENSET.018A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 235-8550
;      TELEFAX:  (619) 235-0176
;  INFORMATION FOR SEQ ID NO:  46:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  DNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    FEATURE:
;      NAME/KEY:  99-221-PU upstream primer
;      LOCATION:  1..19
US-08-996-306-46

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1920 CCTTTTTTTTCAGTGTT 1936
              ||||||| |||| ||||
Db          2 CCTTTTTCTTCACTGTT 18


RESULT 1674
US-08-973-139-1
; Sequence 1, Application US/08973139
; Patent No. 6100028
;  GENERAL INFORMATION:
;    APPLICANT:  Cole, James L.
;    APPLICANT:  Olsen, David B.
;    APPLICANT:  Kuo, Lawrence C.
;    TITLE OF INVENTION:  DNA POLYMERASE EXTENSION ASSAY
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ms. Joanne J. Giesser
;      STREET:  126 E. Lincoln Avenue, P.O. Box 2000-0907
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,139
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,760
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Giesser, Joanne M.
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19398
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908)-594-3046
;      TELEFAX:  (908)-594-4720
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-973-139-1

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1675
US-08-480-068-1
; Sequence 1, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
```

```
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-480-068-1

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1676
US-08-480-068-4
; Sequence 4, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-480-068-4

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1677
US-08-480-068-6
; Sequence 6, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
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;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/480,068
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  6:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  13...13
;       OTHER INFORMATION:
US-08-480-068-6

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1678
US-08-480-068-7
; Sequence 7, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-480-068-7

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1679
US-08-480-068-8
; Sequence 8, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
```

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;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  8:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  6...6
;       OTHER INFORMATION:
US-08-480-068-8

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1680
US-08-480-068-9
; Sequence 9, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  6...6
;      OTHER INFORMATION:
US-08-480-068-9

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1681
US-08-480-068-10
; Sequence 10, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
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;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  19...19
;      OTHER INFORMATION:
US-08-480-068-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1682
US-08-480-068-13
; Sequence 13, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-480-068-13

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1683
US-08-480-068-14
; Sequence 14, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
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;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
US-08-480-068-14

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1684
US-08-480-068-15
; Sequence 15, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-480-068-15

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1685
US-08-480-068-16
; Sequence 16, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
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;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  12...12
;       OTHER INFORMATION:
US-08-480-068-16

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1686
US-09-338-907-46
; Sequence 46, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 46
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-221-PU
US-09-338-907-46

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1920 CCTTTTTTTTCAGTGTT 1936
              ||||||| |||| ||||
Db          2 CCTTTTTCTTCACTGTT 18


RESULT 1687
US-09-338-907-380
; Sequence 380, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 380
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer for SEQ 260, SEQ 337
US-09-338-907-380

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1920 CCTTTTTTTTCAGTGTT 1936
              ||||||| |||| ||||
Db          2 CCTTTTTCTTCACTGTT 18


RESULT 1688
US-09-218-207-46
; Sequence 46, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 46
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-221-PU
US-09-218-207-46

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1920 CCTTTTTTTTCAGTGTT 1936
              ||||||| |||| ||||
Db          2 CCTTTTTCTTCACTGTT 18


RESULT 1689
US-09-218-207-380
; Sequence 380, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
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;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 380
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer for SEQ 260, SEQ 337
US-09-218-207-380

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1920 CCTTTTTTTTCAGTGTT 1936
              ||||||| |||| ||||
Db          2 CCTTTTTCTTCACTGTT 18


RESULT 1690
US-09-534-407-21
; Sequence 21, Application US/09534407
; Patent No. 6361973
; GENERAL INFORMATION:
;  APPLICANT: Randy M. Berka
;  APPLICANT: Michael W. Rey
;  APPLICANT: Kimberly Brown
;  TITLE OF INVENTION: Promoters For Expressing Genes In A
;  TITLE OF INVENTION: Fungal Cell
;  FILE REFERENCE: 5611.200-US
;  CURRENT APPLICATION NUMBER: US/09/534,407
;  CURRENT FILING DATE: 2000-03-22
;  EARLIER APPLICATION NUMBER: 09/274,449
;  EARLIER FILING DATE: 1999-03-22
;  NUMBER OF SEQ ID NOS: 40
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Fusarium
US-09-534-407-21

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         19 GTGTCCAGTGACCCGGA 35
              |||| |||||||||| ||
Db          1 GTGTGCAGTGACCCAGA 17


RESULT 1691
US-08-973-137-1
; Sequence 1, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-973-137-1

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1692
US-08-973-137-4
; Sequence 4, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
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;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/973,137
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/480,068
;       FILING DATE:  07-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
US-08-973-137-4

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1693
US-08-973-137-6
; Sequence 6, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-973-137-6

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1694
US-08-973-137-7
; Sequence 7, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
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;       APPLICATION NUMBER:  08/480,068
;       FILING DATE:  07-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  13...13
;       OTHER INFORMATION:
US-08-973-137-7

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: ::::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1695
US-08-973-137-8
; Sequence 8, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;     APPLICANT:  BENSELER, FRITZ
;     APPLICANT:  COLE, JAMES L.
;     APPLICANT:  OLSEN, DAVID B.
;     APPLICANT:  KUO, LAWRENCE C.
;     TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;     NUMBER OF SEQUENCES:  21
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;       STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;       CITY:  RAHWAY
;       STATE:  NJ
;       COUNTRY:  US
;       ZIP:  07065-0907
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/973,137
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/480,068
;       FILING DATE:  07-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  6...6
;       OTHER INFORMATION:
US-08-973-137-8

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: ::::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1696
US-08-973-137-9
; Sequence 9, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;     APPLICANT:  BENSELER, FRITZ
;     APPLICANT:  COLE, JAMES L.
;     APPLICANT:  OLSEN, DAVID B.
;     APPLICANT:  KUO, LAWRENCE C.
;     TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;     NUMBER OF SEQUENCES:  21
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;       STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;       CITY:  RAHWAY
;       STATE:  NJ
;       COUNTRY:  US
;       ZIP:  07065-0907
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/973,137
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/480,068
;       FILING DATE:  07-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
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;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  6...6
;      OTHER INFORMATION:
US-08-973-137-9

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1697
US-08-973-137-10
; Sequence 10, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  19...19
;      OTHER INFORMATION:
US-08-973-137-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1698
US-08-973-137-13
; Sequence 13, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
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;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-973-137-13

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
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  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1699
US-08-973-137-14
; Sequence 14, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
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;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
US-08-973-137-14

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1700
US-08-973-137-15
; Sequence 15, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
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;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  13...13
;       OTHER INFORMATION:
US-08-973-137-15

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1701
US-08-973-137-16
; Sequence 16, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  12...12
;       OTHER INFORMATION:
US-08-973-137-16

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1702
US-09-999-201B-21
; Sequence 21, Application US/09999201B
; Patent No. 6518044
; GENERAL INFORMATION:
;  APPLICANT: Berka, Randy
;  APPLICANT:  Rey, Michael
;  APPLICANT:  Brown, Kimberly
;  TITLE OF INVENTION: Promoters For Expressing Genes In A
;  TITLE OF INVENTION:  Fungal Cell
;  FILE REFERENCE: 5611.210-US
;  CURRENT APPLICATION NUMBER: US/09/999,201B
;  CURRENT FILING DATE:  2001-10-30
;  PRIOR APPLICATION NUMBER: 09/534,407
;  PRIOR FILING DATE: 2000-03-22
;  PRIOR APPLICATION NUMBER: 09/274,449
;  PRIOR FILING DATE: 1999-03-22
;  NUMBER OF SEQ ID NOS: 40
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Fusarium
US-09-999-201B-21

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         19 GTGTCCAGTGACCCGGA 35
              |||| ||||||||| ||
Db          1 GTGTGCAGTGACCCAGA 17


RESULT 1703
US-09-422-978-4936
; Sequence 4936, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4936
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
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;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-18808 for SEQ 1002,
US-09-422-978-4936

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2709 TCTCTGCCTGTAAATGT 2725
              | ||||| |||||||||
Db          2 TATCTGCTTGTAAATGT 18


RESULT 1704
US-09-422-978-7856
; Sequence 7856, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7856
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-221 for SEQ 3922,
US-09-422-978-7856

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1920 CCTTTTTTTTCAGTGTT 1936
              ||||||| |||| ||||
Db          2 CCTTTTTCTTCACTGTT 18


RESULT 1705
US-09-381-122A-15
; Sequence 15, Application US/09381122A
; Patent No. 6551594
; GENERAL INFORMATION:
;  APPLICANT: Milligen van, Florine J.
;  APPLICANT:  Bernardus, J.
;  APPLICANT:  Cornelissen, Johannes B.W.J
;  APPLICANT:  Bokhout, Bernard A.
;  TITLE OF INVENTION: An ex vivo animal or challenge model as method to
;  TITLE OF INVENTION:  measure protective immunity directed against parasites
;  TITLE OF INVENTION:  and vaccines shown to be protective in said method
;  FILE REFERENCE: 2183-4188US
;  CURRENT APPLICATION NUMBER: US/09/381,122A
;  CURRENT FILING DATE:  1999-12-23
;  PRIOR APPLICATION NUMBER: PCT/NL98/00146
;  PRIOR FILING DATE: 1998-03-11
;  PRIOR APPLICATION NUMBER: EP 97200730.6
;  PRIOR FILING DATE: 1997-03-11
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 15
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Fasciola hepatica
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: ()..)
;   OTHER INFORMATION: /No. 6551594e="primer forward Adult, pos. 407-425"
US-09-381-122A-15

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2630 TCTCGTTCCTGTTGGGC 2646
              | | ||||||||||||||
Db          3 TGTGGTTCCTGTTGGGC 19


RESULT 1706
PCT-US91-03680-3
; Sequence 3, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  1
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  15
;      OTHER INFORMATION:  /mod_base= OTHER
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;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  19
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "1,3-propanediol"
PCT-US91-03680-3

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2181
              ||||||||| ||||| ||
Db          1 CTTTTTTTCTTTTTCTT 17


RESULT 1707
PCT-US91-03680-3/c
; Sequence 3, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  1
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  15
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  19
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "1,3-propanediol"
PCT-US91-03680-3

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   88.2%;  Pred. No. 2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2801
              ||| ||||| |||||||
Db         18 GAAGAAAAAGAAAAAA 2


RESULT 1708
PCT-US96-08320-1
; Sequence 1, Application PC/TUS9608320
;  GENERAL INFORMATION:
;    APPLICANT:  Cole, James L.
;    APPLICANT:  Olsen, David B.
;    APPLICANT:  Kuo, Lawrence C.
;    TITLE OF INVENTION:  DNA POLYMERASE EXTENSION ASSAY FOR
;    TITLE OF INVENTION:  INFLUENZA VIRUS ENDONUCLEASE
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ms. Joanne J. Giesser
;      STREET:  126 E. Lincoln Avenue, P.O. Box 2000-0907
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/08320
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Giesser, Joanne M.
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19393 PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908)-594-3046
;      TELEFAX:  (908)-594-4720
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US96-08320-1

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
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                ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1709
PCT-US96-08330-1
; Sequence 1, Application PC/TUS9608330
;  GENERAL INFORMATION:
;    APPLICANT:  MERCK & CO., INC.
;    APPLICANT:  Cole, James L.
;    APPLICANT:  Olsen, David B.
;    APPLICANT:  Kuo, Lawrence C.
;    TITLE OF INVENTION:  DNA POLYMERASE EXTENSION ASSAY
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ms. Joanne J. Giesser
;      STREET:  126 E. Lincoln Avenue, P.O. Box 2000-0907
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/08330
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Giesser, Joanne M.
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19398 PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908)-594-3046
;      TELEFAX:  (908)-594-4720
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US96-08330-1

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 19;
  Best Local Similarity   11.8%;  Pred. No. 2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
                ::::: :::::|| :::
Db          2 UUUUUAUUUUUAAUUUU 18


RESULT 1710
US-09-344-914-87/c
; Sequence 87, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 87
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-87

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1504 GAAACACAGGAAATAAA 1520
                ||||||  | ||||||||
Db         20 GAAACAAATGAAATAAA 4


RESULT 1711
US-09-344-914-84
; Sequence 84, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 84
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-84

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2267 TTTATTTCAGATGTTTC 2283
                |||||||||  ||||||
Db          1 TTTATTTCATTTGTTTC 17


RESULT 1712
US-07-940-242A-63/c
; Sequence 63, Application US/07940242A
; Patent No. 5427909
;  GENERAL INFORMATION:
;    APPLICANT:  OKAMOTO, Hiroaki
;    APPLICANT:  NAKAMURA, Tetsuo
;    TITLE OF INVENTION:  OLIGONUCLEOTIDES AND DETERMINATION
;    TITLE OF INVENTION:  SYSTEM OF HCV GENOTYPES
;    NUMBER OF SEQUENCES:  99
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Beveridge, DeGrandi, Weilacher & Young
;      STREET:  1850 M Street, N.W. (Suite 800)
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  US
;      ZIP:  20036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/940,242A
;      FILING DATE:  08-SEP-1992
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 307296/91
;      FILING DATE:  09-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 093960/92
;      FILING DATE:  28-FEB-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Weilacher, Robert G.
```

```
;       REGISTRATION NUMBER:  20,531
;       REFERENCE/DOCKET NUMBER:  06/87-48095
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202) 659-2811
;       TELEFAX:  (202) 659-1462
;       TELEX:  WUI 64470
;   INFORMATION FOR SEQ ID NO:  63:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-07-940-242A-63

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1421 GCCCTGATTGTCATAGA 1437
                ||||| |||| ||||||
Db         20 GCCCTCATTGCCATAGA 4


RESULT 1713
US-08-136-811-4
; Sequence 4, Application US/08136811
; Patent No. 5510239
;  GENERAL INFORMATION:
;    APPLICANT:  Baracchini, Jr., Edgardo  and Bennett,
;    APPLICANT:  Clarence  Frank
;    TITLE OF INVENTION:  Oligonucleotide Interference with
;    TITLE OF INVENTION:  Multidrug Resistance
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/136,811
;      FILING DATE:  Herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-136-811-4

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGC 67
                | |||| ||||||||||
Db          4 GTGGCGCGGGCGGCGGC 20


RESULT 1714
US-08-531-747-5/c
; Sequence 5, Application US/08531747
; Patent No. 5631147
;  GENERAL INFORMATION:
;    APPLICANT:  Lohman, Kenton L.
;    APPLICANT:  Ostrerova, Natalie V.
;    APPLICANT:  Van Cleve, Mark
;    APPLICANT:  Reid, Robert A.
;    TITLE OF INVENTION:  DETECTION OF NUCLEIC ACIDS IN CELLS BY
;    TITLE OF INVENTION:  THERMOPHILIC STRAND DISPLACEMENT AMPLIFICATION
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Richard J. Rodrick, Becton Dickinson and
;      ADDRESSEE:  Company
;      STREET:  1 Becton Drive
;      CITY:  Franklin Lakes
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07417
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/531,747
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fugit, Donna R.
;      REGISTRATION NUMBER:  32,135
;      REFERENCE/DOCKET NUMBER:  P-3462
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-531-747-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1729 ATTATCAGAAGGTGACA 1745
                ||||||||||| | ||
Db         19 ATTATCAGAAGGAGCCA 3


RESULT 1715
US-08-379-078-621/c
; Sequence 621, Application US/08379078
; Patent No. 5639612
;  GENERAL INFORMATION:
;    APPLICANT:  Mitsuhashi, Masato
;    APPLICANT:  Cooper, Allan
;    TITLE OF INVENTION:  Gene Detection System
;    NUMBER OF SEQUENCES:  726
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KNOBBE, MARTENS, OLSON AND BEAR
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
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;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/379,078
;       FILING DATE:
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/974,406
;       FILING DATE:  12-NOV-1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Altman, Daniel E.
;       REGISTRATION NUMBER:  34,115
;       REFERENCE/DOCKET NUMBER:  HITACHI.011CP2
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  714-760-0404
;       TELEFAX:  714-760-9502
;   INFORMATION FOR SEQ ID NO:  621:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA to mRNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
US-08-379-078-621

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        353 CCCTACCAGCAGCTGGC 369
              ||||| ||||| |||||
Db         17 CCCTAGCAGCAACTGGC 1


RESULT 1716
US-08-531-749-5/c
; Sequence 5, Application US/08531749
; Patent No. 5733752
;  GENERAL INFORMATION:
;    APPLICANT:  Lohman, Kenton L.
;    APPLICANT:  Ostrerova, Natalie V.
;    APPLICANT:  Van Cleve, Mark
;    APPLICANT:  Reid, Robert A.
;    TITLE OF INVENTION:  DETECTION OF NUCLEIC ACIDS IN CELLS BY
;    TITLE OF INVENTION:  THERMOPHILIC STRAND DISPLACEMENT AMPLIFICATION
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Richard J. Rodrick, Becton Dickinson and
;      ADDRESSEE:  Company
;      STREET:  1 Becton Drive
;      CITY:  Franklin Lakes
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07417
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/531,749
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fugit, Donna R.
;      REGISTRATION NUMBER:  32,135
;      REFERENCE/DOCKET NUMBER:  P-3462
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-531-749-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1729 ATTATCAGAAGGTGACA 1745
              ||||||||||| | ||
Db         19 ATTATCAGAAGGAGCCA 3


RESULT 1717
US-08-781-432-5/c
; Sequence 5, Application US/08781432
; Patent No. 5756702
;  GENERAL INFORMATION:
;    APPLICANT:  Lohman, Kenton L.
;    APPLICANT:  Ostrerova, Natalie V.
;    APPLICANT:  Van Cleve, Mark
;    APPLICANT:  Reid, Robert A.
;    TITLE OF INVENTION:  DETECTION OF NUCLEIC ACIDS IN CELLS BY
;    TITLE OF INVENTION:  THERMOPHILIC STRAND DISPLACEMENT AMPLIFICATION
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Richard J. Rodrick, Becton Dickinson and
;      ADDRESSEE:  Company
;      STREET:  1 Becton Drive
;      CITY:  Franklin Lakes
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07417
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/781,432
;      FILING DATE:
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/531,747
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fugit, Donna R.
;      REGISTRATION NUMBER:  32,135
;      REFERENCE/DOCKET NUMBER:  P-3462
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-781-432-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1729 ATTATCAGAAGGTGACA 1745
              ||||||||||| | ||
Db         19 ATTATCAGAAGGAGCCA 3


RESULT 1718
US-08-244-116B-36
; Sequence 36, Application US/08244116B
; Patent No. 5763159
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  Simmonds, Peter
;    APPLICANT:  Chan, Shiu-Wan
;    APPLICANT:  Yap, Peng L.
;    TITLE OF INVENTION:  Hepatitis-C Virus Testing
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bell, Seltzer, Park & Gibson, P.A.
;      STREET:  1211 East Morehead Street
;      CITY:  Charlotte
;      STATE:  No. 5763159th Carolina
;      COUNTRY:  United States
;      ZIP:  28234
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0. Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/244,116B
;      FILING DATE:  15-JUL-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/GB92/02143
;      FILING DATE:  20-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sibley, Kenneth D.
;      REGISTRATION NUMBER:  31,665
;      REFERENCE/DOCKET NUMBER:  1749-125
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  704-377-1561
;      TELEFAX:  704-334-2014
;  INFORMATION FOR SEQ ID NO:  36:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "synthetic DNA
;      DESCRIPTION:  oligonucleotide"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Hepatitis-C virus
US-08-244-116B-36

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        250 GGTCCCCCACCTCTCCT 266
              ||||||  | ||||||||
Db          1 GGTCCCACCCCTCTCCT 17


RESULT 1719
US-08-835-770-4
; Sequence 4, Application US/08835770
; Patent No. 5801154
;  GENERAL INFORMATION:
;    APPLICANT:  Edgardo Baracchini, Jr., C. Frank Bennett
;    APPLICANT:  and Nicholas M. Dean
;    TITLE OF INVENTION:  Oligonucleotide Modulation of Multidrug
;    TITLE OF INVENTION:  Resistance-Associated Protein
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/835,770
;      FILING DATE:  Herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/136,811
;      FILING DATE:  10/18/93
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/628,731
;      FILING DATE:  04/16/96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0208
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-835-770-4

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGC 67
              | ||||  ||||||||||
Db          4 GTGGCGCGGGCGGCGGC 20


RESULT 1720
US-08-628-731-4
; Sequence 4, Application US/08628731
; Patent No. 5807838
;  GENERAL INFORMATION:
;    APPLICANT:  Baracchini, Jr., Edgardo  and Bennett,
;    APPLICANT:  Clarence  Frank
;    TITLE OF INVENTION:  Oligonucleotide Interference with
;    TITLE OF INVENTION:  Multidrug Resistance
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/628,731
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/136,811
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-
```

```
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-628-731-4

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGC 67
              | |||| ||||||||||
Db          4 GTGGCGCGGGCGGCGGC 20


RESULT 1721
US-08-472-659-25/c
; Sequence 25, Application US/08472659
; Patent No. 5831030
;  GENERAL INFORMATION:
;    APPLICANT:  TSUJIMOTO, Masafumi
;    APPLICANT:  IWASA, Fuyuki
;    APPLICANT:  TSUROUOKA, No. 5831030uo
;    APPLICANT:  NAKAZATO, Hiroshi
;    APPLICANT:  MIURA, Kenju
;    APPLICANT:  ISHIDA, No. 5831030uhiro
;    APPLICANT:  KURIHARA, Tatsuya
;    APPLICANT:  YAMAICHI, Kozo
;    APPLICANT:  YAMAGUCHI, No. 5831030omi
;    TITLE OF INVENTION:  MEGAKARYOCYTE DIFFERENTIATION FACTOR
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Burns, Doane, Swecker & Mathis
;      STREET:  P.O. Box 1404
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  United States
;      ZIP:  22313-1404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/472,659
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 4-212305
;      FILING DATE:  17-JUL-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 5-067339
;      FILING DATE:  04-MAR-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/091,028
;      FILING DATE:  14-JUL-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McGowan, Malcolm K.
;      REGISTRATION NUMBER:  39,300
;      REFERENCE/DOCKET NUMBER:  001560-248
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-6620
;      TELEFAX:  (703) 836-2021
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-472-659-25

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         803 CTGGTGGGGGCCGTAAT 819
               |||||| ||||| ||||
Db          18 CTGGTGTGGGCCATAAT 2


RESULT 1722
US-08-578-551-26
; Sequence 26, Application US/08578551
; Patent No. 5854050
;  GENERAL INFORMATION:
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Sakari M.
;    APPLICANT:  Nielsen, Jack B.
;    APPLICANT:  Dambmann, Claus
;    TITLE OF INVENTION:  An Enzyme with Protease Activity
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 5854050o No. 5854050disk of No. 5854050th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/578,551
;      FILING DATE:  01-FEB-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0811/93
;      FILING DATE:  06-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO 95/02044
;      FILING DATE:  19-JAN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  4006.204-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Aspergillus aculeatus
US-08-578-551-26

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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Qy       1255 AGAACTTCTCAGCCAAG 1271
              ||||||||||  | ||||
Db          4 AGAACTTCTCCGTCAAG 20


RESULT 1723
US-08-807-104-2
; Sequence 2, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
US-08-807-104-2

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   11.8%;  Pred. No. 2.2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          3 UUUUUAUUUUUAAUUUU 19


RESULT 1724
US-08-716-284-8/c
; Sequence 8, Application US/08716284
; Patent No. 5866374
;  GENERAL INFORMATION:
;    APPLICANT:  KOBAYASHI, Osamu
;    APPLICANT:  HAYASHI, No. 5866374uyuki
;    APPLICANT:  SONE, Hidetaka
;    TITLE OF INVENTION:  GENE CONFERRING FLOCCULATING PROPERTY ON
;    TITLE OF INVENTION:  YEAST AND GENE PRODUCT THEREOF
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/716,284
;      FILING DATE:  01-OCT-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO PCT/JP96/00183
;      FILING DATE:  31-JAN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 108688/1995
;      FILING DATE:  02-MAY-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 015449/1995
;      FILING DATE:  01-FEB-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BENT, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  81356/110
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-716-284-8

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        160 GGACGCCATGTTGTGGA 176
              |||| |||||||||| |
Db         19 GGACACCATGTTGTGTA 3


RESULT 1725
US-08-474-661-25/c
; Sequence 25, Application US/08474661
; Patent No. 5874253
;  GENERAL INFORMATION:
;    APPLICANT:  TSUJIMOTO, Masafumi
;    APPLICANT:  IWASA, Fuyuki
;    APPLICANT:  TSURUOKA, No. 5874253uo
;    APPLICANT:  NAKAZATO, Hiroshi
;    APPLICANT:  MIURA, Kenju
;    APPLICANT:  ISHIDA, No. 5874253uhiro
;    APPLICANT:  KURIHARA, Tatsuya
;    APPLICANT:  YAMAICHI, Kozo
;    APPLICANT:  YAMAGUCHI, No. 5874253omi
;    TITLE OF INVENTION:  MEGAKARYOCYTE DIFFERENTIATION FACTOR
```

```
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Burns, Doane, Swecker & Mathis
;      STREET:  George Mason Bldg., Washington & Prince Sts.
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  United States
;      ZIP:  22313-1404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/474,661
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/091,028
;      FILING DATE:  14-JUL-1993
;      APPLICATION NUMBER:  JP 4-212305
;      FILING DATE:  17-JUL-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 5-067339
;      FILING DATE:  04-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  REA, TERESA STANEK
;      REGISTRATION NUMBER:  30,427
;      REFERENCE/DOCKET NUMBER:  001560-204
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-6620
;      TELEFAX:  (703) 836-6620
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-474-661-25

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        803 CTGGTGGGGGCCGTAAT 819
              ||||||  |||||  ||||
Db         18 CTGGTGTGGGCCATAAT 2


RESULT 1726
US-08-854-041-5/c
; Sequence 5, Application US/08854041
; Patent No. 5916779
;  GENERAL INFORMATION:
;    APPLICANT:  Pearson, Robert E.
;    APPLICANT:  Dickson, Julie A.
;    APPLICANT:  Mehrpouyan, Majid
;    TITLE OF INVENTION:  STRAND DISPLACEMENT AMPLIFICATION OF RNA
;    TITLE OF INVENTION:  TARGETS
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  R. J. Rodrick, Becton Dickinson and Company
;      STREET:  1 Becton Drive
;      CITY:  Franklin Lakes
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07417
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/854,041
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fugit, Donna R.
;      REGISTRATION NUMBER:  32,135
;      REFERENCE/DOCKET NUMBER:  P-3853
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-854-041-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1729 ATTATCAGAAGGTGACA 1745
              |||||||||||| | ||
Db         19 ATTATCAGAAGGAGCCA 3


RESULT 1727
US-08-597-948A-5
; Sequence 5, Application US/08597948A
; Patent No. 5955322
;  GENERAL INFORMATION:
;    APPLICANT:  Guarnieri, Frank
;    APPLICANT:  Bancroft, Frank Carter
;    TITLE OF INVENTION:  A DNA-BASED COMPUTER
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Baker & Botts
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  Fast SEQ VERSION 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/597,948A
;      FILING DATE:  7 February 1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kole, Lisa B.
;      REGISTRATION NUMBER:  35,225
;      REFERENCE/DOCKET NUMBER:  30372 070165.0385
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-408-2500
;      TELEFAX:  212-765-2519
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:
;    ANTI-SENSE:
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
US-08-597-948A-5
```

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  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        252 TCCCCCACCTCTCCTCC 268
              |||||  ||||||||||
Db          4 TCCCCTTCCTCTCCTCC 20


RESULT 1728
US-08-611-977-25/c
; Sequence 25, Application US/08611977
; Patent No. 5972886
;  GENERAL INFORMATION:
;    APPLICANT:  TSUJIMOTO, Masafumi
;    APPLICANT:  IWASA, Fuyuki
;    APPLICANT:  TSUROUOKA, No. 5972886uo
;    APPLICANT:  NAKAZATO, Hiroshi
;    APPLICANT:  MIURA, Kenju
;    APPLICANT:  ISHIDA, No. 5972886uhiro
;    APPLICANT:  KURIHARA, Tatsuya
;    APPLICANT:  YAMAICHI, Kozo
;    APPLICANT:  YAMAGUCHI, No. 5972886omi
;    TITLE OF INVENTION:  MEGAKARYOCYTE DIFFERENTIATION FACTOR
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Burns, Doane, Swecker & Mathis
;      STREET:  P.O. Box 1404
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  United States
;      ZIP:  22313-1404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/611,977
;      FILING DATE:  06-MAR-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/091,028
;      FILING DATE:  14-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 4-212305
;      FILING DATE:  17-JUL-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-067339
;      FILING DATE:  04-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McGowan, Malcolm K.
;      REGISTRATION NUMBER:  39,300
;      REFERENCE/DOCKET NUMBER:  001560-204
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-6620
;      TELEFAX:  (703) 836-2021
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-611-977-25

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        803 CTGGTGGGGGCCGTAAT 819
              |||||| ||||| ||||
Db         18 CTGGTGTGGGCCATAAT 2


RESULT 1729
US-08-538-711A-22
; Sequence 22, Application US/08538711A
; Patent No. 5994062
;  GENERAL INFORMATION:
;    APPLICANT:  MULSHINE, JAMES, L.
;    TITLE OF INVENTION:  AN EPITHELIAL PROTEIN AND
;    TITLE OF INVENTION:  DNA THEREOF FOR USE IN EARLY CANCER DETECTION
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN, L.L.P.
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  FLOPPY DISK
;      COMPUTER:  IBM PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/538,711A
;      FILING DATE:  02-OCT-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KATHRYN M. BROWN
;      REGISTRATION NUMBER:  34,556
;      REFERENCE/DOCKET NUMBER:  2026-4201
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  Unknown
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  other nucleic acid
;    ANTI-SENSE:  YES
US-08-538-711A-22

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1199 ATGGCAGCTAGGAAGAA 1215
              ||||||  |||||||||
Db          4 ATGGCAAATAGGAAGAA 20


RESULT 1730
US-09-190-982-26
; Sequence 26, Application US/09190982
; Patent No. 5998190
;  GENERAL INFORMATION:
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Sakari M.
;    APPLICANT:  Nielsen, Jack B.
;    APPLICANT:  Dambmann, Claus
;    TITLE OF INVENTION:  An Enzyme with Protease Activity
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 5998190o No. 5998190disk of No. 5998190th America, Inc.
```

```
;       STREET:  405 Lexington Avenue, 64th Floor
;       CITY:  New York
;       STATE:  New York
;       COUNTRY:  United States of America
;       ZIP:  10174-6401
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/190,982
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/578,551
;       FILING DATE:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  WO 95/02044
;       FILING DATE:  19-JAN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lambiris, Elias J.
;       REGISTRATION NUMBER:  33,728
;       REFERENCE/DOCKET NUMBER:  4006.204-US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  212-867-0123
;       TELEFAX:  212-878-9655
;   INFORMATION FOR SEQ ID NO:  26:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     ORIGINAL SOURCE:
;       ORGANISM:  Aspergillus aculeatus
US-09-190-982-26

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1255 AGAACTTCTCAGCCAAG 1271
              ||||||||||  | ||||
Db          4 AGAACTTCTCCGTCAAG 20


RESULT 1731
US-09-358-382-11/c
; Sequence 11, Application US/09358382
; Patent No. 6010906
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF JUN N-TERMINAL KINASE KINASE-1 EXPRESSION
;  FILE REFERENCE: RTS-0071
;  CURRENT APPLICATION NUMBER: US/09/358,382
;  CURRENT FILING DATE: 1999-07-21
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 11
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-358-382-11

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         48 CGCGCGGCGGGGGCGGC 64
              || ||||||| ||||||
Db         19 CGAGCGGCGGCGGCGGC 3


RESULT 1732
US-09-166-186-108/c
; Sequence 108, Application US/09166186A
; Patent No. 6080580
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-a EXPRESSION
;  FILE REFERENCE: ISPH-0322
;  CURRENT APPLICATION NUMBER: US/09/166,186A
;  CURRENT FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 250
; SEQ ID NO 108
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-166-186-108

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        453 CAGGCAGCCAGCAGCAG 469
              |||  ||||||||||| ||
Db         20 CAGCCAGCCAGCAGAAG 4


RESULT 1733
US-09-089-195-23
; Sequence 23, Application US/09089195
; Patent No. 6087489
; GENERAL INFORMATION:
;     APPLICANT:  Dean, Nicholas M.
;     TITLE OF INVENTION:  ANTISENSE OLIGONUCLEOTIDE MODULATION
;     TITLE OF INVENTION:  OF HUMAN THYMIDYLATE SYNTHASE EXPRESSION
;     NUMBER OF SEQUENCES:  28
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Law Offices of Jane Massey Licata
;       STREET:  66 East Main Street
;       CITY:  Marlton
;       STATE:  NJ
;       COUNTRY:  USA
;       ZIP:  08053
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/089,195
;       FILING DATE:  herewith
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Jane Massey Licata
;       REGISTRATION NUMBER:  32,257
;       REFERENCE/DOCKET NUMBER:  ISPH-0309
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (609) 810-1515
;       TELEFAX:  (609) 810-1454
;   INFORMATION FOR SEQ ID NO:  23:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  Nucleic Acid
;       STRANDEDNESS:  Single
;
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```
;      TOPOLOGY: Linear
US-09-089-195-23

  Query Match              0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        370 CTACTCCCAGTCGGCCG 386
              | |||||||| ||||||
Db          2 CAACTCCCAGGCGGCCG 18


RESULT 1734
US-09-344-914-83/c
; Sequence 83, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 83
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-83

  Query Match              0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1503 AGAAACACAGGAAATAA 1519
              ||||||| | |||||||
Db         17 AGAAACAAATGAAATAA 1


RESULT 1735
US-08-480-068-2
; Sequence 2, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
US-08-480-068-2

  Query Match              0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   11.8%;  Pred. No. 2.2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          3 UUUUUAUUUUUAAUUUU 19


RESULT 1736
US-08-903-139B-4/c
; Sequence 4, Application US/08903139B
; Patent No. 6114118
;  GENERAL INFORMATION:
;    APPLICANT:  Joe W. Templeton, Jianwei Feng, L. Garry Adams,
;    APPLICANT:  Erwin Schurr, Philippe Gros, Donald S. Davis and Roger Smith
;    TITLE OF INVENTION:  METHOD OF IDENTIFICATION OF ANIMALS
;    TITLE OF INVENTION:  RESISTANT OR SUSCEPTIBLE TO DISEASES SUCH AS RUMINANT
;    TITLE OF INVENTION:  BRUCELLOSIS, TUBERCULOSIS, PARATUBERCULOSIS AND SALMONELLOSIS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pravel, Hewitt, Kimball & Krieger
;      STREET:  1177 West Loop South, 10th Floor
;      CITY:  Houston
;      STATE:  TX
;      COUNTRY:  USA
;      ZIP:  77027-9095
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/903,139B
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/031,443
;      FILING DATE:  September 20, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Krieger, Paul E.
;      REGISTRATION NUMBER:  25,886
;      REFERENCE/DOCKET NUMBER:  00162-3/V96171US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713-850-0909
;      TELEFAX:  713-850-0165
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
```

; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-903-139B-4

 Query Match 0.5%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 2.2e+03;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2650 ACCCTAAGGTGAGTGTG 2666
 |||||||||||| ||
Db 18 ACCCTAAGGTGAGCTTG 2

RESULT 1737
US-09-287-796-155
; Sequence 155, Application US/09287796A
; Patent No. 6133246
; GENERAL INFORMATION:
; APPLICANT: McKay, Robert A.
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Monia, Brett
; APPLICANT: Nero, Pam
; APPLICANT: Gaarde, William A.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS
; TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
; FILE REFERENCE: ISPH-0350
; CURRENT APPLICATION NUMBER: US/09/287,796A
; CURRENT FILING DATE: 1999-04-07
; EARLIER APPLICATION NUMBER: 09/130,616
; EARLIER FILING DATE: 1998-08-07
; EARLIER APPLICATION NUMBER: 08/910,629
; EARLIER FILING DATE: 1997-08-03
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 155
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-287-796-155

 Query Match 0.5%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 2.2e+03;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1457 GGAGACCAGAGTCCAGC 1473
 |||||||| |||| |||
Db 3 GGAGACCAAAGTCGAGC 19

RESULT 1738
US-09-433-694-86
; Sequence 86, Application US/09433694
; Patent No. 6165790
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchers
; APPLICANT: Donna T. Ward
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF PI3 KINASE P55 GAMMA EXPRESSION
; FILE REFERENCE: RTS-0098
; CURRENT APPLICATION NUMBER: US/09/433,694
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 86
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-433-694-86

 Query Match 0.5%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 2.2e+03;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2293 TGAAAAGGGTAGGCACG 2309
 |||| |||||||||| |
Db 1 TGAACAGGGTAGGCAAG 17

RESULT 1739
US-09-433-694-88
; Sequence 88, Application US/09433694
; Patent No. 6165790
; GENERAL INFORMATION:
; APPLICANT: Alexander H. Borchers
; APPLICANT: Donna T. Ward
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF PI3 KINASE P55 GAMMA EXPRESSION
; FILE REFERENCE: RTS-0098
; CURRENT APPLICATION NUMBER: US/09/433,694
; CURRENT FILING DATE: 1999-11-03
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 88
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-433-694-88

 Query Match 0.5%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 2.2e+03;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1370 AGCCAGGCCATCTGTGC 1386
 ||| ||| |||||||||
Db 4 AGCGAGGGCATCTGTGC 20

RESULT 1740
US-09-435-296-52/c
; Sequence 52, Application US/09435296
; Patent No. 6171860
; GENERAL INFORMATION:
; APPLICANT: Brenda F. Baker
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF RANK EXPRESSION
; FILE REFERENCE: RTS-0116
; CURRENT APPLICATION NUMBER: US/09/435,296
; CURRENT FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 52
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-435-296-52

 Query Match 0.5%; Score 13.8; DB 1; Length 20;
 Best Local Similarity 88.2%; Pred. No. 2.2e+03;
 Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1457 GGAGACCAGAGTCCAGC 1473
 |||| |||||| |||||
Db 20 GGAGGCCAGAGACCAGC 4

RESULT 1741
US-09-490-692-166
; Sequence 166, Application US/09490692
; Patent No. 6180353

```
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
;  FILE REFERENCE: RTS-0120
;  CURRENT APPLICATION NUMBER: US/09/490,692
;  CURRENT FILING DATE: 2000-01-24
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 166
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Antisense Oligonucleotide
US-09-490-692-166

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2032 AGGCAAAGGTTCTATCT 2048
              ||||||||  |||  ||||
Db          1 AGGCAAAGCTTCCATCT 17


RESULT 1742
US-09-408-257-26
; Sequence 26, Application US/09408257
; Patent No. 6190905
;  GENERAL INFORMATION:
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Sakari M.
;    APPLICANT:  Nielsen, Jack B.
;    APPLICANT:  Dambmann, Claus
;    TITLE OF INVENTION:  An Enzyme with Protease Activity
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6190905o No. 6190905disk of No. 6190905th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/408,257
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/578,551
;      FILING DATE:  01-FEB-1996
;      APPLICATION NUMBER:  DK 0811/93
;      FILING DATE:  06-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO 95/02044
;      FILING DATE:  19-JAN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  4006.204-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Aspergillus aculeatus
US-09-408-257-26

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1255 AGAACTTCTCAGCCAAG 1271
              |||||||||| | ||||
Db          4 AGAACTTCTCCGTCAAG 20


RESULT 1743
US-09-130-616-155
; Sequence 155, Application US/09130616C
; Patent No. 6221850
; GENERAL INFORMATION:
;  APPLICANT: McKay, Robert A.
;  APPLICANT: Dean, Nicholas M.
;  APPLICANT: Monia, Brett
;  APPLICANT: Nero, Pam
;  APPLICANT: Gaarde, William A.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE COMPOSITIONS AND METHODS
;  TITLE OF INVENTION: FOR THE MODULATION OF JNK PROTEINS
;  FILE REFERENCE: ISPH-0318
;  CURRENT APPLICATION NUMBER: US/09/130,616C
;  CURRENT FILING DATE: 1998-08-07
;  EARLIER APPLICATION NUMBER: 08/910,629
;  EARLIER FILING DATE: 1997-08-03
;  NUMBER OF SEQ ID NOS: 178
; SEQ ID NO 155
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Synthetic sequence
US-09-130-616-155

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1457 GGAGACCAGAGTCCAGC 1473
              ||||||||  ||||  |||
Db          3 GGAGACCAAAGTCGAGC 19


RESULT 1744
US-08-930-285-23/c
; Sequence 23, Application US/08930285
; Patent No. 6222099
;  GENERAL INFORMATION:
;    APPLICANT:  Regents of the University of Minnesota, et al.
;    TITLE OF INVENTION:  TRANSGENIC PLANTS EXPRESSING ACETYL COA CARBOXYLASE GE
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Schwegman, Lundberg, Woessner & Kluth, P. A.
;      STREET:  P. O. Box 2938
;      CITY:  Minneapolis
;      STATE:  MN
;      COUNTRY:  USA
;      ZIP:  55402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
```

```
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/930,285
;       FILING DATE:  13-APR-1998
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US96/04625
;       FILING DATE:  04-APR-1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Embretson, Janet E.
;       REGISTRATION NUMBER:  39,665
;       REFERENCE/DOCKET NUMBER:  600.318US4
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  612-339-0331
;       TELEFAX:  612-339-3061
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  23:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
US-08-930-285-23

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1573 CCTTCTCCACCGCACAG 1589
                ||||||| | |||||||
Db         18 CCTTCTCAAACGCACAG 2


RESULT 1745
US-09-313-932-108/c
; Sequence 108, Application US/09313932A
; Patent No. 6228642
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
;  TITLE OF INVENTION: EXPRESSION
;  FILE REFERENCE: ISPH-0356
;  CURRENT APPLICATION NUMBER: US/09/313,932A
;  CURRENT FILING DATE: 1999-05-18
;  NUMBER OF SEQ ID NOS: 501
; SEQ ID NO 108
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-313-932-108

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        453 CAGGCAGCCAGCAGCAG 469
                ||| |||||||||| ||
Db         20 CAGCCAGCCAGCAGAAG 4


RESULT 1746
US-09-467-082-12
; Sequence 12, Application US/09467082
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PKA CATALYTIC SUBUNIT C-ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0088
;  CURRENT APPLICATION NUMBER: US/09/467,082
;  CURRENT FILING DATE:  1999-12-17
;  NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-467-082-12

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         50 CGCGGCGGGGGCGGCGG 66
              |||||||| |||||| |
Db          2 CGCGGCGGCGGCGGCCG 18


RESULT 1747
US-09-467-082-13
; Sequence 13, Application US/09467082
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PKA CATALYTIC SUBUNIT C-ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0088
;  CURRENT APPLICATION NUMBER: US/09/467,082
;  CURRENT FILING DATE:  1999-12-17
;  NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-467-082-13

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         50 CGCGGCGGGGGCGGCGG 66
              |||||||| |||||| |
Db          4 CGCGGCGGCGGCGGCCG 20


RESULT 1748
US-08-725-027-22
; Sequence 22, Application US/08725027
; Patent No. 6251586
;  GENERAL INFORMATION:
;    APPLICANT:  MULSHINE, JAMES, L.
;    APPLICANT:  TOCKMAN, MELVYN, S.
;    TITLE OF INVENTION:  AN EPITHELIAL PROTEIN AND
;    TITLE OF INVENTION:  DNA THEREOF FOR USE IN EARLY CANCER DETECTION
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN, L.L.P.
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  FLOPPY DISK
;      COMPUTER:  IBM PC COMPATIBLE
```

```
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  ASCII
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/725,027
;       FILING DATE:  02-OCT-1996
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US08/538,711
;       FILING DATE:  02-OCT-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  KATHRYN M. BROWN
;       REGISTRATION NUMBER:  34,556
;       REFERENCE/DOCKET NUMBER:  2026-4201US1
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 758-4800
;       TELEFAX:  (212) 751-6849
;   INFORMATION FOR SEQ ID NO:  22:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20
;       TYPE:  nucleic acid
;       STRANDEDNESS:  Unknown
;       TOPOLOGY:  Linear
;     MOLECULE TYPE:  other nucleic acid
;     ANTI-SENSE:  YES
US-08-725-027-22

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1199 ATGGCAGCTAGGAAGAA 1215
              ||||||  |||||||||
Db          4 ATGGCAAATAGGAAGAA 20


RESULT 1749
US-09-593-711A-173
; Sequence 173, Application US/09593711A
; Patent No. 6271030
; GENERAL INFORMATION:
;  APPLICANT:    Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
;  FILE REFERENCE:    RTS-0118
;  CURRENT APPLICATION NUMBER: US/09/593,711A
;  CURRENT FILING DATE:  2000-06-14
;  NUMBER OF SEQ ID NOS:    244
; SEQ ID NO 173
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-173

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        712 CCAGCACCTGTTGCTGC 728
              |||||||||  ||||||
Db          3 CCAGCACCTTGTGCTGC 19


RESULT 1750
US-07-974-409C-329/c
; Sequence 329, Application US/07974409C
; Patent No. 6300058
;  GENERAL INFORMATION:
;    APPLICANT:  Akitaya, Tatsuo
;    APPLICANT:  Mitsuhashi, Masato
;    APPLICANT:  Cooper, Allan
;    TITLE OF INVENTION:  METHOD AND REAGENT
;    TITLE OF INVENTION:  FOR MEASURING MESSENGER RNA
;    NUMBER OF SEQUENCES:  457
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson, and Bear
;      STREET:  620 Newport Center Dr.  Sixteenth Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/974,409C
;      FILING DATE:  12-NOV-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Altman, Daniel E.
;      REGISTRATION NUMBER:  34,115
;      REFERENCE/DOCKET NUMBER:  HITACHI.006CP2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  329:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-07-974-409C-329

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        353 CCCTACCAGCAGCTGGC 369
              ||||| ||||| |||||
Db         17 CCCTAGCAGCAACTGGC 1


RESULT 1751
US-09-593-589-26/c
; Sequence 26, Application US/09593589
; Patent No. 6306655
; GENERAL INFORMATION:
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF C/EBP ALPHA EXPRESSION
;  FILE REFERENCE:  RTS-0119
;  CURRENT APPLICATION NUMBER: US/09/593,589
;  CURRENT FILING DATE:  2000-06-13
;  NUMBER OF SEQ ID NOS:  94
; SEQ ID NO 26
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-589-26

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        378 AGTCGGCCGACCCCTAC 394
              ||||||||||  ||||
Db         18 AGTCGGCCGACTTCTAC 2
```

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RESULT 1752
US-09-082-649B-77
; Sequence 77, Application US/09082649B
; Patent No. 6339068
; GENERAL INFORMATION:
;  APPLICANT:  Davis, Heather L.
;  APPLICANT:  Krieg, Arthur M.
;  APPLICANT:  Schorr, Joachim
;  APPLICANT:  Wu, Tong
;  TITLE OF INVENTION:  Vectors and Methods for Immunization or
;  TITLE OF INVENTION:  Therapeutic Protocols
;  FILE REFERENCE:  C1039/7009
;  CURRENT APPLICATION NUMBER: US/09/082,649B
;  CURRENT FILING DATE:  1998-05-20
;  PRIOR APPLICATION NUMBER:  US 60/047,233
;  PRIOR FILING DATE:  1997-05-20
;  PRIOR APPLICATION NUMBER:  US 60/047,209
;  PRIOR FILING DATE:  1997-05-20
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-082-649B-77

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        520 CGGGCGCCCGGCCGGCC 536
              ||| || ||||||||||
Db          2 CGGCCGGCCGGCCGGCC 18


RESULT 1753
US-09-082-649B-77/c
; Sequence 77, Application US/09082649B
; Patent No. 6339068
; GENERAL INFORMATION:
;  APPLICANT:  Davis, Heather L.
;  APPLICANT:  Krieg, Arthur M.
;  APPLICANT:  Schorr, Joachim
;  APPLICANT:  Wu, Tong
;  TITLE OF INVENTION:  Vectors and Methods for Immunization or
;  TITLE OF INVENTION:  Therapeutic Protocols
;  FILE REFERENCE:  C1039/7009
;  CURRENT APPLICATION NUMBER: US/09/082,649B
;  CURRENT FILING DATE:  1998-05-20
;  PRIOR APPLICATION NUMBER:  US 60/047,233
;  PRIOR FILING DATE:  1997-05-20
;  PRIOR APPLICATION NUMBER:  US 60/047,209
;  PRIOR FILING DATE:  1997-05-20
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-082-649B-77

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        520 CGGGCGCCCGGCCGGCC 536
              ||| || ||||||||||
Db         19 CGGCCGGCCGGCCGGCC 3


RESULT 1754
US-08-973-137-2
; Sequence 2, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
US-08-973-137-2

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   11.8%;  Pred. No. 2.2e+03;
  Matches    2;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACTTT 2192
              ::::: :::::|| :::
Db          3 UUUUUAUUUUUAAUUUU 19


RESULT 1755
US-09-702-251-60
; Sequence 60, Application US/09702251
```

; Patent No. 6372492
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF TALIN EXPRESSION
; FILE REFERENCE: RTS-0199
; CURRENT APPLICATION NUMBER: US/09/702,251
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 60
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-702-251-60

Query Match 0.5%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 429 ACCCCCTGCACCAGCCG 445
|| ||||||||||||| |
Db 3 ACGCCCTGCACCAGCAG 19

RESULT 1756
US-09-659-791A-23/c
; Sequence 23, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT APPLICATION NUMBER: US/09/659,791A
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 23
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-791A-23

Query Match 0.5%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2545 AAGAATTAAGAGGATGC 2561
||||| ||||||||||
Db 19 AAGAAGAAAGAGGATGC 3

RESULT 1757
US-09-791-211-38/c
; Sequence 38, Application US/09791211
; Patent No. 6448080
; GENERAL INFORMATION:
; APPLICANT: Donna T. Ward
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF WRN EXPRESSION
; FILE REFERENCE: RTS-0205
; CURRENT APPLICATION NUMBER: US/09/791,211
; CURRENT FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 38
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-791-211-38

Query Match 0.5%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2450 TGAGACATGGGATCCAA 2466
||| |||||||| ||||
Db 19 TGAAACATGGGACCCAA 3

RESULT 1758
US-09-517-467B-223/c
; Sequence 223, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
; APPLICANT: Ian Popoff
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
; FILE REFERENCE: RTS-0150
; CURRENT APPLICATION NUMBER: US/09/517,467B
; CURRENT FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 09/517,467
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 223
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-467B-223

Query Match 0.5%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 22 TCCAGTGACCCGGACAG 38
|||||| | |||||||||
Db 17 TCCAGTAATCCGGACAG 1

RESULT 1759
US-09-150-661-5
; Sequence 5, Application US/09150661
; Patent No. 6455249
; GENERAL INFORMATION:
; APPLICANT: Hsu, Ih-Chang
; APPLICANT: Highsmith Jr., William E.
; APPLICANT: Shih, James
; TITLE OF INVENTION: Method of Amplifying DNA and RNA Mismatch Cleavage
; TITLE OF INVENTION: Products
; FILE REFERENCE: 1475IH
; CURRENT APPLICATION NUMBER: US/09/150,661
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: 60/058,419
; EARLIER FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Human breast tumor cell line
US-09-150-661-5

Query Match 0.5%; Score 13.8; DB 1; Length 20;
Best Local Similarity 88.2%; Pred. No. 2.2e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2623 AACTTTGTCTCGTTCCT 2639
|||| |||||| |||||
Db 4 AACTCTGTCTCCTTCCT 20

```
RESULT 1760
US-09-242-435-28
; Sequence 28, Application US/09242435
; Patent No. 6461863
; GENERAL INFORMATION:
;  APPLICANT: JARVIS, DONALD L.
;  TITLE OF INVENTION: MODIFYING INSECT CELL GLYCOSYLATION PATHWAYS WITH
;  TITLE OF INVENTION:  BACULOVIRUS EXPRESSION VECTORS
;  FILE REFERENCE: UWYO:002US
;  CURRENT APPLICATION NUMBER: US/09/242,435
;  CURRENT FILING DATE:  1999-02-16
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Primer
US-09-242-435-28

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2346 GTGGAGGTTCTGTATTT 2362
                ||| |||||||||| |||
Db          1 GTGTAGGTTCTGTGTTT 17


RESULT 1761
US-09-725-265-40/c
; Sequence 40, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 40
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-40

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2519 TTTTATTCATATATATA 2535
                ||||  || |||||||||
Db         18 TTTTTTTTATATATATA 2


RESULT 1762
US-09-725-265-41/c
; Sequence 41, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MO
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DA
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-41

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2519 TTTTATTCATATATATA 2535
                ||||  || |||||||||
Db         18 TTTTTTTTATATATATA 2


RESULT 1763
US-09-725-265-42/c
; Sequence 42, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MO
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DA
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-42
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```
  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2519 TTTTATTCATATATATA 2535
              |||| || |||||||||
Db         18 TTTTTTTTATATATATA 2


RESULT 1764
US-09-542-552-22
; Sequence 22, Application US/09542552
; Patent No. 6500625
;  GENERAL INFORMATION:
;    APPLICANT:  MULSHINE, JAMES, L.
;    TITLE OF INVENTION:  AN EPITHELIAL PROTEIN AND
;    TITLE OF INVENTION:  DNA THEREOF FOR USE IN EARLY CANCER DETECTION
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN, L.L.P.
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  FLOPPY DISK
;      COMPUTER:  IBM PC COMPATIBLE
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/542,552
;      FILING DATE:  03-APR-2000
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/538,711
;      FILING DATE:  02-OCT-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KATHRYN M. BROWN
;      REGISTRATION NUMBER:  34,556
;      REFERENCE/DOCKET NUMBER:  2026-4201
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  Unknown
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  other nucleic acid
;    ANTI-SENSE:  YES
US-09-542-552-22

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1199 ATGGCAGCTAGGAAGAA 1215
              |||||| |||||||||
Db          4 ATGGCAAATAGGAAGAA 20


RESULT 1765
US-09-898-361-146
; Sequence 146, Application US/09898361
; Patent No. 6503152
; GENERAL INFORMATION:
;  APPLICANT: Susan Murray
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRANSFORMING GROWTH FACTOR BETA RECEPTOR
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0158
;  CURRENT APPLICATION NUMBER: US/09/898,361
;  CURRENT FILING DATE:  2001-06-21
;  NUMBER OF SEQ ID NOS: 163
; SEQ ID NO 146
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-898-361-146

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        624 CACACGCCCTGGATGCC 640
              |||||| |||||||||
Db          1 CACACGATCTGGATGCC 17


RESULT 1766
US-09-280-030-46/c
; Sequence 46, Application US/09280030A
; Patent No. 6506595
; GENERAL INFORMATION:
;  APPLICANT: Sato, Seiji
;  APPLICANT: Higashikuni, Naohiko
;  APPLICANT: Kudo, Toshiyuki
;  APPLICANT: Kondo, Masaaki
;  TITLE OF INVENTION: DNAS ENCODING NEW FUSION PROTEINS AND PROCESSES FOR
;  TITLE OF INVENTION: PREPARING USEFUL POLYPEPTIDES THROUGH EXPRESSION OF THE
;  TITLE OF INVENTION: DNAS
;  FILE REFERENCE: 382.1026
;  CURRENT APPLICATION NUMBER: US/09/280,030A
;  CURRENT FILING DATE: 1999-03-26
;  EARLIER APPLICATION NUMBER: JP10-87339/1998
;  EARLIER FILING DATE: 1998-03-31
;  NUMBER OF SEQ ID NOS: 66
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Designated is
;   OTHER INFORMATION: a forward primer for PCR amplification of human
;   OTHER INFORMATION: growth hormone DNA
US-09-280-030-46

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1934 GTTAAGGTAATGGTTGG 1950
              | ||||| |||||||||
Db         20 GATAAGGGAATGGTTGG 4


RESULT 1767
US-09-081-149-11/c
; Sequence 11, Application US/09081149A
; Patent No. 6506889
; GENERAL INFORMATION:
;  APPLICANT: Han, Min
;  APPLICANT: Sieburth, Derek
;  TITLE OF INVENTION: RAS SUPPRESSOR SUR-8
;  FILE REFERENCE: UTC-02938
;  CURRENT APPLICATION NUMBER: US/09/081,149A
;  CURRENT FILING DATE: 1998-05-19
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 20
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;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
US-09-081-149-11

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2210 ATGGGAGACTCTTTGAA 2226
              ||| |||||||||| |||
Db         17 ATGAGAGACTCTTGGAA 1


RESULT 1768
US-09-172-699-10
; Sequence 10, Application US/09172699A
; Patent No. 6514690
; GENERAL INFORMATION:
;  APPLICANT: Anderson, David A.
;  APPLICANT: Locarnini, Stephen A.
;  APPLICANT: Toressi, Joseph
;  APPLICANT: Hui, Zhuang
;  APPLICANT: Li, Fan
;  TITLE OF INVENTION: IMMUNOREACTIVE ANTIGENS OF HEPATITIS E VIRUS
;  FILE REFERENCE: Davies Col. Cave
;  CURRENT APPLICATION NUMBER: US/09/172,699A
;  CURRENT FILING DATE: 1998-10-14
;  EARLIER APPLICATION NUMBER: 08/617,927
;  EARLIER FILING DATE: 1996-06-20
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:HEV Primer (ORF
;   OTHER INFORMATION: 2.0 reverse)
US-09-172-699-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2239 CTTAAGGTACTGAAGCT 2255
              |||||||  ||||||||
Db          2 CTTAAGGCGCTGAAGCT 18


RESULT 1769
US-09-198-452A-2718/c
; Sequence 2718, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2718
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2718

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1590 ACTGGGAACCCCTCCTG 1606
              |||| |||||||| ||
Db         17 ACTGCGAACCCCTCTTG 1


RESULT 1770
US-09-198-452A-4326
; Sequence 4326, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4326
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-4326

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1326 AGAACTGCTTGTCTCAT 1342
              ||||||||||||  |||
Db          3 AGAACTGCTTGTGCCAT 19


RESULT 1771
US-09-679-299A-107
; Sequence 107, Application US/09679299A
; Patent No. 6566135
; GENERAL INFORMATION:
;  APPLICANT: Vickie L. Brown-Driver
;  APPLICANT:  Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 6 EXPRESSION
;  FILE REFERENCE: RTS-0187
;  CURRENT APPLICATION NUMBER: US/09/679,299A
;  CURRENT FILING DATE:  2000-10-04
;  NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 107
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-679-299A-107

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        540 TGCCCCACCTCTCCGGG 556
              |||||| |||||| |||
Db          2 TGCCCCGCCTCTCTGGG 18


RESULT 1772
US-09-944-036-47/c
; Sequence 47, Application US/09944036
; Patent No. 6582920
; GENERAL INFORMATION:
;  APPLICANT: YANG, Yeasing Y.
;  APPLICANT:  BRENTANO, Steven T.
;  APPLICANT:  BABOLA, Odile
;  APPLICANT:  TRAN, Nathalie
```

```
;  APPLICANT:  VERNET, Guy
;  TITLE OF INVENTION: AMPLIFICATION OF HIV-1 SEQUENCES FOR DETECTION OF
;  TITLE OF INVENTION:  SEQUENCES ASSOCIATED WITH DRUG-RESISTANCE MUTATIONS
;  FILE REFERENCE: GP114-02.UT
;  CURRENT APPLICATION NUMBER: US/09/944,036
;  CURRENT FILING DATE:  2001-08-31
;  PRIOR APPLICATION NUMBER: US 60/229,790
;  PRIOR FILING DATE: 2000-09-01
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: Oligonucleotide primer for Gag target sequence
US-09-944-036-47

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1729 ATTATCAGAAGGTGACA 1745
              ||||||||||||  | ||
Db         20 ATTATCAGAAGGAGCCA 4


RESULT 1773
US-09-780-045-105/c
; Sequence 105, Application US/09780045
; Patent No. 6602713
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT E
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0130
;  CURRENT APPLICATION NUMBER: US/09/780,045
;  CURRENT FILING DATE:  2001-02-09
;  NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 105
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-045-105

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         53 GGCGGGGGCGGCGGCAG 69
              ||||||||  ||||||  |
Db         20 GGCGGGGGAGGCGGCGG 4


RESULT 1774
US-09-522-775A-5
; Sequence 5, Application US/09522775A
; Patent No. 6660906
; GENERAL INFORMATION:
;  APPLICANT: Tsichlis, Philip N.
;  TITLE OF INVENTION: Inhibition of Tpl2 To Treat inflammatory Diseases
;  FILE REFERENCE: OTT-3202
;  CURRENT APPLICATION NUMBER: US/09/522,775A
;  CURRENT FILING DATE:  2000-03-08
;  NUMBER OF SEQ ID NOS: 13
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-522-775A-5

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1855 CAGACCCACACACTTAG 1871
              |||||||  ||||||  ||
Db          4 CAGACCCTCACACTCAG 20


RESULT 1775
PCT-US93-00977-329/c
; Sequence 329, Application PC/TUS9300977
;  GENERAL INFORMATION:
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR MEASURING MESSENGER RNA
;    NUMBER OF SEQUENCES:  711
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson, and Bear
;      STREET:  620 Newport Center Dr.  Sixteenth Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/00977
;      FILING DATE:  19930129
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Altman, Daniel E.
;      REGISTRATION NUMBER:  34,115
;      REFERENCE/DOCKET NUMBER:  HITACHI.006H
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  329:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US93-00977-329

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 20;
  Best Local Similarity   88.2%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        353 CCCTACCAGCAGCTGGC 369
              |||||  |||||  |||||
Db         17 CCCTAGCAGCAACTGGC 1


RESULT 1776
US-08-063-167A-38
; Sequence 38, Application US/08063167A
; Patent No. 5514788
;  GENERAL INFORMATION:
;    APPLICANT:  Bennett and Mirabelli
;    TITLE OF INVENTION:  Oligonucleotide Modulation
;    TITLE OF INVENTION:  of Cell Adhesion
;    NUMBER OF SEQUENCES:  85
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Woodland Falls Corporate Park
;       STREET:  210 Lake Drive East, Suie 201
;       CITY:  Cherry Hill
;       STATE:  NJ
;       COUNTRY:  USA
;       ZIP:  08002
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;       COMPUTER:  IBM PS/2
;       OPERATING SYSTEM:  PC-DOS
;       SOFTWARE:  WORDPERFECT 5.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/063,167A
;       FILING DATE:  19930517
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  939,855
;       FILING DATE:  September 2, 1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US91/05209
;       FILING DATE:  July 23, 1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  567,286
;       FILING DATE:  August 14, 1990
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Jane Massey Licata
;       REGISTRATION NUMBER:  32,257
;       REFERENCE/DOCKET NUMBER:  ISPH-0002
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (215) 568-3100
;       TELEFAX:  (215) 568-3439
;   INFORMATION FOR SEQ ID NO:  38:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21
;       TYPE:  Nucleic Acid
;       STRANDEDNESS:  Single
;       TOPOLOGY:  Linear
;     ANTI-SENSE:  Yes
US-08-063-167A-38

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2489 TGATGGGGTAATCTATA 2505
              ||| |||||||||||  |
Db          5 TGAGGGGGTAATCTACA 21


RESULT 1777
US-08-145-704-10
; Sequence 10, Application US/08145704
; Patent No. 5567604
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Joshua O. Ojwang
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  45
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fulbright & Jaworski
;      STREET:  1301 McKinney, Suite 5100
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77010-3095
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/145,704
;      FILING DATE:  28-OCT-1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/053,027
;      FILING DATE:  23-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul, Thomas D.
;      REGISTRATION NUMBER:  32,714
;      REFERENCE/DOCKET NUMBER:  D-5574-CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/651-5151
;      TELEFAX:  713/651-5246
;      TELEX:  762829
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-145-704-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGCTGGGGGG 122
              | ||||||| |||||||
Db          4 GGTTGGGGGGTGGGGGG 20


RESULT 1778
US-07-665-960A-11/c
; Sequence 11, Application US/07665960A
; Patent No. 5578443
;  GENERAL INFORMATION:
;    APPLICANT:  Santamaria, Pedro
;    APPLICANT:  Boyce-Jacino, Michael T.
;    APPLICANT:  Barbosa, Jose J.
;    APPLICANT:  Rich, Stephen S.
;    APPLICANT:  Faras, Anthony J.
;    TITLE OF INVENTION:  DNA Sequence-Based HLA Typing
;    TITLE OF INVENTION:  Method
;    NUMBER OF SEQUENCES:  49
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Merchant & Gould
;      STREET:  3100 No. 5578443west Center
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 720 Kb.
;      COMPUTER:  No. 5578443thgate 386
;      OPERATING SYSTEM:  DOS 4.0
;      SOFTWARE:  WordPerfect~ 5.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/665,960A
;      FILING DATE:  19910306
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kowalchyk, Alan W.
;      REGISTRATION NUMBER:  31,535
;      REFERENCE/DOCKET NUMBER:  600.190-US-01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (612) 332-5300
;      TELEFAX:  (612) 332-9081
;  INFORMATION FOR SEQ ID NO:  11:
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;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  Genomic DNA
;    ANTI-SENSE:  yes
;    FRAGMENT TYPE:  Internal Fragment
;    ORIGINAL SOURCE:  Synthetically Derived
;    FEATURE:
;      NAME/KEY:  Oligonucleotide Primer DRB30
;      LOCATION:  Anneals to codons 97 to 103 of the
;      LOCATION:  DRB1, DRB3, DRB4 and DRB5 transcripts of HLA
;      LOCATION:  class II
US-07-665-960A-11

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2652 CCTAAGGTGAGTGTGCA 2668
                ||||||||||  |||| |
Db         21 CCTAAGGTGACTGTGTA 5


RESULT 1779
US-08-007-997A-38
; Sequence 38, Application US/08007997A
; Patent No. 5591623
;  GENERAL INFORMATION:
;    APPLICANT:  Bennett and Mirabelli
;    TITLE OF INVENTION:  Oligonucleotide Modulation
;    TITLE OF INVENTION:  of Cell Adhesion
;    NUMBER OF SEQUENCES:  82
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz
;      ADDRESSEE:  Mackiewicz & No. 5591623ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/007,997A
;      FILING DATE:  19930121
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  939,855
;      FILING DATE:  September 2, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/05209
;      FILING DATE:  July 23, 1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  567,286
;      FILING DATE:  August 14, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISIS-0709
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-007-997A-38

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2489 TGATGGGGTAATCTATA 2505
                ||| |||||||||||  |
Db          5 TGAGGGGGTAATCTACA 21


RESULT 1780
US-08-106-802-11/c
; Sequence 11, Application US/08106802
; Patent No. 5629149
;  GENERAL INFORMATION:
;    APPLICANT:  Santamaria, Pedro
;    APPLICANT:  Boyce-Jacino, Michael T.
;    APPLICANT:  Barbosa, Jose J.
;    APPLICANT:  Rich, Stephen S.
;    APPLICANT:  Faras, Anthony J.
;    TITLE OF INVENTION:  DNA Sequence-Based HLA Typing
;    TITLE OF INVENTION:  Method
;    NUMBER OF SEQUENCES:  49
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Merchant & Gould
;      STREET:  3100 No. 5629149west Center
;      CITY:  Minneapolis
;      STATE:  Minnesota
;      COUNTRY:  USA
;      ZIP:  55402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 720 Kb.
;      COMPUTER:  PC/XT/AT or compatible
;      OPERATING SYSTEM:  MS-DOS 3.30
;      SOFTWARE:  ASCII
;      SOFTWARE:  (Origin: WordPerfect  5.0)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/106,802
;      FILING DATE:  16-AUG-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/833,668
;      FILING DATE:  18-FEB-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kowalchyk, Alan W.
;      REGISTRATION NUMBER:  31,535
;      REFERENCE/DOCKET NUMBER:  600.243-US-01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (612) 332-5300
;      TELEFAX:  (612) 332-9081
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    MOLECULE TYPE:  Genomic DNA
;    ANTI-SENSE:  yes
;    FRAGMENT TYPE:  Internal Fragment
;    ORIGINAL SOURCE:  Synthetically Derived
;    FEATURE:
;      NAME/KEY:  Oligonucleotide Primer DRB30
;      LOCATION:  Anneals to codons 97 to 103 of the
;      LOCATION:  DRB1, DRB3, DRB4 and DRB5 transcripts of HLA
;      LOCATION:  class II
US-08-106-802-11

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
```

```
Qy       2652 CCTAAGGTGAGTGTGCA 2668
              ||||||||||| |||| |
Db         21 CCTAAGGTGACTGTGTA 5


RESULT 1781
US-08-446-530-28
; Sequence 28, Application US/08446530
; Patent No. 5766851
;  GENERAL INFORMATION:
;    APPLICANT:  Shuldiner, Alan R.
;    APPLICANT:  Walston, Jeremy
;    APPLICANT:  Silver, Kristi
;    TITLE OF INVENTION:  SUSCEPTIBILITY GENE FOR OBESITY AND TYPE
;    TITLE OF INVENTION:  II DIABETES MELLITUS
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/446,530
;      FILING DATE:  19-MAY-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07265/048001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5070
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-446-530-28

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2315 ATTTGTTGCTGCTTGTC 2331
              | ||||||||| ||||||
Db          3 AGTTGTTGCTTCTTGTC 19


RESULT 1782
US-08-440-740A-38
; Sequence 38, Application US/08440740A
; Patent No. 5843738
;  GENERAL INFORMATION:
;    APPLICANT:  Bennett and Mirabelli
;    TITLE OF INVENTION:  Oligonucleotide Modulation
;    TITLE OF INVENTION:  of Cell Adhesion
;    NUMBER OF SEQUENCES:  85
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/440,740A
;      FILING DATE:  May 12, 1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  063,167
;      FILING DATE:  May 17, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  969,151
;      FILING DATE:  February 10, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  007,997
;      FILING DATE:  January 20, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  939,855
;      FILING DATE:  September 2, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  567,286
;      FILING DATE:  August 14, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0133
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-440-740A-38

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2489 TGATGGGGTAATCTATA 2505
              ||| ||||||||||| |
Db          5 TGAGGGGGTAATCTACA 21


RESULT 1783
US-09-097-562-28
; Sequence 28, Application US/09097562
; Patent No. 5877283
;  GENERAL INFORMATION:
;    APPLICANT:  Shuldiner, Alan R.
;    APPLICANT:  Walston, Jeremy
;    APPLICANT:  Silver, Kristi
;    TITLE OF INVENTION:  SUSCEPTIBILITY GENE FOR OBESITY AND TYPE
;    TITLE OF INVENTION:  II DIABETES MELLITUS
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
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; APPLICATION NUMBER: US/09/097,562
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/446,530
; FILING DATE: 19-MAY-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/048001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5070
; INFORMATION FOR SEQ ID NO: 28:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-097-562-28

Query Match 0.5%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2315 ATTTGTTGCTGCTTGTC 2331
|| |||||||| ||||||
Db 3 AGTTGTTGCTTCTTGTC 19

RESULT 1784
US-08-344-155C-38
; Sequence 38, Application US/08344155C
; Patent No. 5883082
; GENERAL INFORMATION:
; APPLICANT: Bennett and Stepkowski
; TITLE OF INVENTION: Compositions and Methods for Preventing
; TITLE OF INVENTION: and Treating Allograft Rejection
; NUMBER OF SEQUENCES: 99
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodland Falls Corporate Park
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/344,155C
; FILING DATE: No. 5883082ember 23, 1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 939,855
; FILING DATE: September 2, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/05209
; FILING DATE: July 23, 1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/063,167
; FILING DATE: 5/17/93
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/007,997
; FILING DATE: 1/21/93
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/939,855
; FILING DATE: 9/2/92
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/567,286
; FILING DATE: 8/14/90
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0098
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-08-344-155C-38

Query Match 0.5%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2489 TGATGGGGTAATCTATA 2505
||| |||||||||||| |
Db 5 TGAGGGGGTAATCTACA 21

RESULT 1785
US-08-703-136-11/c
; Sequence 11, Application US/08703136
; Patent No. 5972604
; GENERAL INFORMATION:
; APPLICANT: Santamaria, Pedro
; APPLICANT: Boyce-Jacino, Michael T.
; APPLICANT: Barbosa, Jose J.
; APPLICANT: Rich, Stephen S.
; APPLICANT: Faras, Anthony J.
; TITLE OF INVENTION: DNA Sequence-Based
; TITLE OF INVENTION: HLA Typing Method
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rae-Venter Law Group
; STREET: 260 Sheridan Avenue,
; STREET: Suite 440
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 MB
; COMPUTER: PC/XT/AT or compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: Microsoft Word 7.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/703,136
; FILING DATE: NOT YET ASSIGNED
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/106,802
; FILING DATE: 16-AUG-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Barbara Rae-Venter, Ph.D.
; REGISTRATION NUMBER: 32,750
; REFERENCE/DOCKET NUMBER: UMIN.002.03US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 328-4400
; TELEFAX: (415) 328-4477
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: Genomic DNA

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;    ANTI-SENSE:  yes
;    FRAGMENT TYPE:  Internal Fragment
;    ORIGINAL SOURCE:  Synthetically Derived
;    FEATURE:
;      NAME/KEY:  Oligonucleotide
;      NAME/KEY:  Primer DRB30
;      LOCATION:  Anneals to codons 97
;      LOCATION:  to 103 of the DRB1, DRB3, DRB4 and DRB5
;      LOCATION:  transcripts of HLA class II
US-08-703-136-11

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2652 CCTAAGGTGAGTGTGCA 2668
              ||||||||||  |||| |
Db         21 CCTAAGGTGACTGTGTA 5


RESULT 1786
US-09-102-830-12
; Sequence 12, Application US/09102830
; Patent No. 6001558
;  GENERAL INFORMATION:
;    APPLICANT:  BACKUS, JOHN W
;    APPLICANT:  ATWOOD, SUSAN M
;    APPLICANT:  CASEY, ANN E
;    APPLICANT:  RASMUSSEN, ERIC B
;    APPLICANT:  CUMMINS, THOMAS J
;    TITLE OF INVENTION:  AMPLIFICATION AND DETECTION OF HIV-1
;    TITLE OF INVENTION:  AND/OR HIV-2
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOHNSON & JOHNSON
;      STREET:  ONE JOHNSON & JOHNSON PLAZA
;      CITY:  NEW BRUNSWICK
;      STATE:  NEW JERSEY
;      COUNTRY:  USA
;      ZIP:  08933
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/102,830
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  OGDEN, STASIA L
;      REGISTRATION NUMBER:  36,228
;      REFERENCE/DOCKET NUMBER:  CDS-137/SLO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-524-2819
;      TELEFAX:  908-524-2808
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-102-830-12

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        734 CAGACAGTCATTCGCAA 750
              |||||  ||||  ||||||
Db          3 CAGACGGTCAGTCGCAA 19


RESULT 1787
US-08-804-439A-61
; Sequence 61, Application US/08804439A
; Patent No. 6015565
;  GENERAL INFORMATION:
;    APPLICANT:  Rose, Timothy M.
;    APPLICANT:  Bosch, Marnix L.
;    APPLICANT:  Strand, Kurt
;    TITLE OF INVENTION:  GLYCOPROTEIN B OF THE RFHV/KSHV
;    TITLE OF INVENTION:  SUBFAMILY OF HERPES VIRUSES
;    NUMBER OF SEQUENCES:  113
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Ste 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/804,439A
;      FILING DATE:  February 21, 1997
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  09176/004001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 678-5070
;      TELEFAX:  (619) 678-5099
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  61:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-804-439A-61

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2709 TCTCTGCCTGTAAATGT 2725
              ||||||  | ||||||||
Db          4 TCTCTGTCAGTAAATGT 20


RESULT 1788
US-08-804-439A-83
; Sequence 83, Application US/08804439A
; Patent No. 6015565
;  GENERAL INFORMATION:
;    APPLICANT:  Rose, Timothy M.
;    APPLICANT:  Bosch, Marnix L.
;    APPLICANT:  Strand, Kurt
;    TITLE OF INVENTION:  GLYCOPROTEIN B OF THE RFHV/KSHV
;    TITLE OF INVENTION:  SUBFAMILY OF HERPES VIRUSES
;    NUMBER OF SEQUENCES:  113
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Ste 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
```

```
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/804,439A
;       FILING DATE:  February 21, 1997
;       CLASSIFICATION:  424
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Haile, Lisa A.
;       REGISTRATION NUMBER:  38,347
;       REFERENCE/DOCKET NUMBER:  09176/004001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (619) 678-5070
;       TELEFAX:  (619) 678-5099
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  83:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-804-439A-83

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        756 CCATTTCCATGACCAAG 772
              ||||||||  |||||  ||
Db          3 CCATTTCCGTGACCGAG 19


RESULT 1789
US-08-982-845B-38
; Sequence 38, Application US/08982845B
; Patent No. 6015894
;  GENERAL INFORMATION:
;    APPLICANT:  Bennett and Mirabelli
;    TITLE OF INVENTION:  Oligonucleotide Modulation
;    TITLE OF INVENTION:  of Cell Adhesion
;    NUMBER OF SEQUENCES:  87
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  WORDPERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/982,845B
;      FILING DATE:  December 2, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/440,740
;      FILING DATE:  May 12, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  063,167
;      FILING DATE:  May 17, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  969,151
;      FILING DATE:  February 10, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  007,997
;      FILING DATE:  January 21, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  939,855
;      FILING DATE:  September 2, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  567,286
;      FILING DATE:  August 14, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0243
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-982-845B-38

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2489 TGATGGGGTAATCTATA 2505
              ||| |||||||||||  |
Db          5 TGAGGGGGTAATCTACA 21


RESULT 1790
US-08-720-229-61
; Sequence 61, Application US/08720229
; Patent No. 6022542
;  GENERAL INFORMATION:
;    APPLICANT:  Rose, Timothy M.
;    APPLICANT:  Bosch, Marnix L.
;    APPLICANT:  Strand, Kurt
;    TITLE OF INVENTION:  GLYCOPROTEIN B OF THE RFHV/KSHV
;    TITLE OF INVENTION:  SUBFAMILY OF HERPES VIRUSES
;    NUMBER OF SEQUENCES:  100
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/720,229
;      FILING DATE:  26-SEP-1996
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Schiff, J. Michael
;      REGISTRATION NUMBER:  40,253
;      REFERENCE/DOCKET NUMBER:  29938-20002.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 813-5600
;      TELEFAX:  (415) 494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  61:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-720-229-61

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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Qy       2709 TCTCTGCCTGTAAATGT 2725
              ||||||.|.||||||||
Db          4 TCTCTGTCAGTAAATGT 20


RESULT 1791
US-08-720-229-83
; Sequence 83, Application US/08720229
; Patent No. 6022542
;  GENERAL INFORMATION:
;    APPLICANT:  Rose, Timothy M.
;    APPLICANT:  Bosch, Marnix L.
;    APPLICANT:  Strand, Kurt
;    TITLE OF INVENTION:  GLYCOPROTEIN B OF THE RFHV/KSHV
;    TITLE OF INVENTION:  SUBFAMILY OF HERPES VIRUSES
;    NUMBER OF SEQUENCES:  100
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/720,229
;      FILING DATE:  26-SEP-1996
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Schiff, J. Michael
;      REGISTRATION NUMBER:  40,253
;      REFERENCE/DOCKET NUMBER:  29938-20002.00
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 813-5600
;      TELEFAX:  (415) 494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  83:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-720-229-83

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        756 CCATTTCCATGACCAAG 772
              |||||||| ||||| ||
Db          3 CCATTTCCGTGACCGAG 19


RESULT 1792
US-08-991-525B-38
; Sequence 38, Application US/08991525B
; Patent No. 6093811
;  GENERAL INFORMATION:
;    APPLICANT:  Bennett and Mirabelli
;    TITLE OF INVENTION:  Oligonucleotide Modulation
;    TITLE OF INVENTION:  of Cell Adhesion
;    NUMBER OF SEQUENCES:  87
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  WORDPERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/991,525B
;      FILING DATE:  December 16, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  440,740
;      FILING DATE:  May 12, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  063,167
;      FILING DATE:  May 17, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  969,151
;      FILING DATE:  February 10, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  007,997
;      FILING DATE:  January 21, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  939,855
;      FILING DATE:  September 2, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  567,286
;      FILING DATE:  August 14, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0247
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (856) 810-1515
;      TELEFAX:  (856) 810-1454
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-991-525B-38

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2489 TGATGGGGTAATCTATA 2505
              ||| |||||||||||.|
Db          5 TGAGGGGGTAATCTACA 21


RESULT 1793
US-09-085-759-38
; Sequence 38, Application US/09085759
; Patent No. 6096722
;  GENERAL INFORMATION:
;    APPLICANT:  C. Frank Bennett, Christopher Mirabelli,
;    APPLICANT:  Brenda Baker
;    TITLE OF INVENTION:  Antisense Modulation of Cell Adhesion
;    TITLE OF INVENTION:  Molecule Expression and Treatment of Cell Adhesion
;    TITLE OF INVENTION:  Molecule-Associated Diseases
;    NUMBER OF SEQUENCES:  109
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
```

; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/085,759
; FILING DATE: herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/440,740
; FILING DATE: May 12, 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 063,167
; FILING DATE: May 17, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 969,151
; FILING DATE: February 10, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 007,997
; FILING DATE: January 20, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 939,855
; FILING DATE: September 2, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 567,286
; FILING DATE: August 14, 1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0311
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-09-085-759-38

Query Match 0.5%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2489 TGATGGGGTAATCTATA 2505
||| |||||||||| |
Db 5 TGAGGGGGTAATCTACA 21

RESULT 1794
US-08-513-974B-257/c
; Sequence 257, Application US/08513974B
; Patent No. 6114139
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; APPLICANT: Hosoya, Masaki
; APPLICANT: Fujii, Ryo
; APPLICANT: Ohtaki, Tetsuya
; APPLICANT: Fukusumi, Shoji
; APPLICANT: Ohgi, Kazuhiro
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
; NUMBER OF SEQUENCES: 380
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/513,974B
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP95/01599
; FILING DATE: 10-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-093989
; FILING DATE: 19-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-270017
; FILING DATE: 02-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236357
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236356
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189274
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189273
; FILING DATE: 11-AUG-1945
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189272
; FILING DATE: 11-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Resnick, David S.
; REGISTRATION NUMBER: 34,235
; REFERENCE/DOCKET NUMBER: 45753
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 257:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-513-974B-257

Query Match 0.5%; Score 13.8; DB 1; Length 21;
Best Local Similarity 88.2%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 455 GGCAGCCAGCAGCAGGC 471
|||||||||||| |||
Db 20 GGCAGCCAGCAGATGGC 4

RESULT 1795
US-08-513-974B-263/c
; Sequence 263, Application US/08513974B
; Patent No. 6114139
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; APPLICANT: Hosoya, Masaki
; APPLICANT: Fujii, Ryo

```
;    APPLICANT:  Ohtaki, Tetsuya
;    APPLICANT:  Fukusumi, Shoji
;    APPLICANT:  Ohgi, Kazuhiro
;    TITLE OF INVENTION:  G PROTEIN COUPLED RECEPTOR PROTEIN,
;    TITLE OF INVENTION:  PRODUCTION, AND USE THEREOF
;    NUMBER OF SEQUENCES:  380
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
;      STREET:  130 Water Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/513,974B
;      FILING DATE:  14-SEP-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP95/01599
;      FILING DATE:  10-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 7-093989
;      FILING DATE:  19-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 7-057186
;      FILING DATE:  16-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 7-007177
;      FILING DATE:  20-JAN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-326611
;      FILING DATE:  28-DEC-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-270017
;      FILING DATE:  02-NOV-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-236357
;      FILING DATE:  30-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-236356
;      FILING DATE:  30-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-189274
;      FILING DATE:  11-AUG-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-189273
;      FILING DATE:  11-AUG-1945
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-189272
;      FILING DATE:  11-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Resnick, David S.
;      REGISTRATION NUMBER:  34,235
;      REFERENCE/DOCKET NUMBER:  45753
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-523-3400
;      TELEFAX:  617-523-6440
;  INFORMATION FOR SEQ ID NO:  263:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-513-974B-263

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        455 GGCAGCCAGCAGCAGGC 471
              ||||||||||||  |||
Db         20 GGCAGCCAGCAGATGGC 4


RESULT 1796
US-08-513-974B-264/c
; Sequence 264, Application US/08513974B
; Patent No. 6114139
;  GENERAL INFORMATION:
;    APPLICANT:  Hinuma, Shuji
;    APPLICANT:  Hosoya, Masaki
;    APPLICANT:  Fujii, Ryo
;    APPLICANT:  Ohtaki, Tetsuya
;    APPLICANT:  Fukusumi, Shoji
;    APPLICANT:  Ohgi, Kazuhiro
;    TITLE OF INVENTION:  G PROTEIN COUPLED RECEPTOR PROTEIN,
;    TITLE OF INVENTION:  PRODUCTION, AND USE THEREOF
;    NUMBER OF SEQUENCES:  380
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
;      STREET:  130 Water Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/513,974B
;      FILING DATE:  14-SEP-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP95/01599
;      FILING DATE:  10-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 7-093989
;      FILING DATE:  19-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 7-057186
;      FILING DATE:  16-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 7-007177
;      FILING DATE:  20-JAN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-326611
;      FILING DATE:  28-DEC-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-270017
;      FILING DATE:  02-NOV-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-236357
;      FILING DATE:  30-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-236356
;      FILING DATE:  30-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-189274
;      FILING DATE:  11-AUG-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-189273
;      FILING DATE:  11-AUG-1945
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-189272
;      FILING DATE:  11-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Resnick, David S.
;      REGISTRATION NUMBER:  34,235
```

```
;      REFERENCE/DOCKET NUMBER:  45753
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-523-3400
;      TELEFAX:  617-523-6440
;  INFORMATION FOR SEQ ID NO:  264:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-513-974B-264

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        455 GGCAGCCAGCAGCAGGC 471
              ||||||||||||  |||
Db         20 GGCAGCCAGCAGATGGC 4


RESULT 1797
US-08-513-974B-269/c
; Sequence 269, Application US/08513974B
; Patent No. 6114139
;  GENERAL INFORMATION:
;    APPLICANT:  Hinuma, Shuji
;    APPLICANT:  Hosoya, Masaki
;    APPLICANT:  Fujii, Ryo
;    APPLICANT:  Ohtaki, Tetsuya
;    APPLICANT:  Fukusumi, Shoji
;    APPLICANT:  Ohgi, Kazuhiro
;    TITLE OF INVENTION:  G PROTEIN COUPLED RECEPTOR PROTEIN,
;    TITLE OF INVENTION:  PRODUCTION, AND USE THEREOF
;    NUMBER OF SEQUENCES:  380
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
;      STREET:  130 Water Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/513,974B
;      FILING DATE:  14-SEP-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP95/01599
;      FILING DATE:  10-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 7-093989
;      FILING DATE:  19-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 7-057186
;      FILING DATE:  16-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 7-007177
;      FILING DATE:  20-JAN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-326611
;      FILING DATE:  28-DEC-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-270017
;      FILING DATE:  02-NOV-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-236357
;      FILING DATE:  30-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-236356
;      FILING DATE:  30-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-189274
;      FILING DATE:  11-AUG-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-189273
;      FILING DATE:  11-AUG-1945
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 6-189272
;      FILING DATE:  11-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Resnick, David S.
;      REGISTRATION NUMBER:  34,235
;      REFERENCE/DOCKET NUMBER:  45753
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-523-3400
;      TELEFAX:  617-523-6440
;  INFORMATION FOR SEQ ID NO:  269:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-513-974B-269

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        455 GGCAGCCAGCAGCAGGC 471
              ||||||||||||  |||
Db         20 GGCAGCCAGCAGAGGGC 4


RESULT 1798
US-08-987-574-10
; Sequence 10, Application US/08987574
; Patent No. 6150339
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fulbright & Jaworski
;      STREET:  1301 McKinney, Suite 5100
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77010-3095
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/987,574
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/04529
;      FILING DATE:  28-OCT-1993
;      APPLICATION NUMBER:  US 08/053,027
;      FILING DATE:  23-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul, Thomas D.
```

```
;      REGISTRATION NUMBER:  32,714
;      REFERENCE/DOCKET NUMBER:  D-5574-CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/651-5151
;      TELEFAX:  713/651-5246
;      TELEX:  762829
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-987-574-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGGCTGGGGGG 122
              | ||||||| |||||||
Db          4 GGTTGGGGGGTGGGGGG 20


RESULT 1799
US-09-128-496-38
; Sequence 38, Application US/09128496
; Patent No. 6169079
;  GENERAL INFORMATION:
;    APPLICANT:  Bennett and Mirabelli
;    TITLE OF INVENTION:  Oligonucleotide Modulation
;    TITLE OF INVENTION:  of Cell Adhesion
;    NUMBER OF SEQUENCES:  85
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/128,496
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/440,740
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  969,151
;      FILING DATE:  February 10, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  007,997
;      FILING DATE:  January 20, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  939,855
;      FILING DATE:  September 2, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  567,286
;      FILING DATE:  August 14, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0133
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-128-496-38

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2489 TGATGGGGTAATCTATA 2505
              ||| |||||||||||  |
Db          5 TGAGGGGGTAATCTACA 21


RESULT 1800
US-08-535-168-10
; Sequence 10, Application US/08535168
; Patent No. 6184369
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fulbright & Jaworski
;      STREET:  1301 McKinney, Suite 5100
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77010-3095
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/535,168
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/04529
;      FILING DATE:  28-OCT-1993
;      APPLICATION NUMBER:  US 08/053,027
;      FILING DATE:  23-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul, Thomas D.
;      REGISTRATION NUMBER:  32,714
;      REFERENCE/DOCKET NUMBER:  D-5574-CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/651-5151
;      TELEFAX:  713/651-5246
;      TELEX:  762829
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-535-168-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGCTGGGGGG 122
              | ||||||| |||||||
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Db          4 GGTTGGGGGGTGGGGGG 20


RESULT 1801
US-09-283-011-31
; Sequence 31, Application US/09283011
; Patent No. 6207401
;  GENERAL INFORMATION:
;    APPLICANT:  Plowman, Gregory
;    APPLICANT:  Mossie, Kevin
;    TITLE OF INVENTION:  DIAGNOSIS AND TREATMENT OF AUR-1
;    TITLE OF INVENTION:  AND/OR AUR-2 RELATED DISORDERS
;    NUMBER OF SEQUENCES:  39
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/283,011
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/012,135
;      FILING DATE:  January 22, 1998
;      APPLICATION NUMBER:  08/755,728
;      FILING DATE:  No. 6207401ember 25, 1996
;      APPLICATION NUMBER:  60/023,943
;      FILING DATE:  August 14, 1996
;      APPLICATION NUMBER:  60/008,809
;      FILING DATE:  December 18, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  231/282
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  31:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-283-011-31

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        595 CCGCCGCTCCGACCTGC 611
              ||||| |||||||| ||
Db          4 CCGCCACTCCGACCAGC 20


RESULT 1802
US-09-038-637-112
; Sequence 112, Application US/09038637
; Patent No. 6235470
;  GENERAL INFORMATION:
;    APPLICANT:  Sidransky, David
;    TITLE OF INVENTION:  DETECTION OF NEOPLASIM BY ANALYSIS OF SALIVA
;    NUMBER OF SEQUENCES:  195
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/038,637
;      FILING DATE:  10-MAR-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/579,233
;      FILING DATE:  28-DEC-1995
;      APPLICATION NUMBER:  08/152,313
;      FILING DATE:  12-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07265/146001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  112:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
US-09-038-637-112

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         89 CCGATTTTGGATTTACC 105
              | |||||| ||||||||
Db          5 CAGATTTTTGATTTACC 21


RESULT 1803
US-09-052-333A-62
; Sequence 62, Application US/09052333A
; Patent No. 6261769
;  GENERAL INFORMATION:
;    APPLICANT:  Everett, Karin D.E.
;    APPLICANT:  Andersen, Arthur A.
;    TITLE OF INVENTION:  Intergenic Spacer Target Sequence for
; Patent No. 6261769
;    TITLE OF INVENTION:  Detecting and Distinguishing Chlamydial Strains
;    NUMBER OF SEQUENCES:  73
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Curtis P. Ribando
;      STREET:  1815 N. University Street
;      CITY:  Peoria
;      STATE:  IL
;      COUNTRY:  US
;      ZIP:  61604
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/052,333A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
```

```
;      NAME:  Ribando, Curtis P.
;      REGISTRATION NUMBER:  27,976
;      REFERENCE/DOCKET NUMBER:  0211.97
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  309/681-6513
;      TELEFAX:  309/681-6688
;  INFORMATION FOR SEQ ID NO:  62:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to rRNA
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Chlamydiaceae
US-09-052-333A-62

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1926 TTTTCAGTGTTAAGGTA 1942
              ||| || ||||||||||
Db          3 TTTGCATTGTTAAGGTA 19


RESULT 1804
US-09-017-974-10
; Sequence 10, Application US/09017974
; Patent No. 6288042
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    APPLICANT:  Wallace, Thomas L.
;    APPLICANT:  Cossum, Paul A.
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Tetrad Forming Oligonucleotides
;    NUMBER OF SEQUENCES:  88
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Conley, Rose & Tayon, P.C.
;      STREET:  600 Travis, Suite 1800
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77002-2912
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  MS Word 97 (saved as .txt file)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/017,974
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/037,374
;      FILING DATE:  04-FEB-97
;      APPLICATION NUMBER:
;      FILING DATE:  09-DEC-97
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDaniel, C. Steven
;      REGISTRATION NUMBER:  33,962
;      REFERENCE/DOCKET NUMBER:  1472-06223
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/238-8010
;      TELEFAX:  713/238-8008
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-017-974-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGCTGGGGGG 122
              | ||||||| |||||||
Db          4 GGTTGGGGGGTGGGGGG 20


RESULT 1805
US-09-493-351B-10
; Sequence 10, Application US/09493351B
; Patent No. 6300075
; GENERAL INFORMATION:
;  APPLICANT: PRESTON, Gregory
;  APPLICANT:  BACKUS, John
;  TITLE OF INVENTION: ENHANCEMENT OF THE SPECIFICITY OF NUCLEIC ACID AMPLIFICATION BY (
;  TITLE OF INVENTION:  NUCLEIC ACID
;  FILE REFERENCE: 2094/1E288-US1
;  CURRENT APPLICATION NUMBER: US/09/493,351B
;  CURRENT FILING DATE:  2000-01-28
;  PRIOR APPLICATION NUMBER: 60/118,495
;  PRIOR FILING DATE: 1999-02-03
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide primer
US-09-493-351B-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        734 CAGACAGTCATTCGCAA 750
              ||||| |||| ||||||
Db          3 CAGACGGTCAGTCGCAA 19


RESULT 1806
US-09-009-490A-38
; Sequence 38, Application US/09009490A
; Patent No. 6300491
;  GENERAL INFORMATION:
;    APPLICANT:  Bennett and Mirabelli
;    TITLE OF INVENTION:  Oligonucleotide Modulation
;    TITLE OF INVENTION:  of Cell Adhesion
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Office of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  WORDPERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/009,490A
;      FILING DATE:  January 20, 1998
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  440,740
```

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;      FILING DATE:  May 12, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  063,167
;      FILING DATE:  May 17, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  969,151
;      FILING DATE:  February 10, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  007,997
;      FILING DATE:  January 20, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  939,855
;      FILING DATE:  September 2, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  567,286
;      FILING DATE:  August 14, 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 810-1515
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-009-490A-38

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2489 TGATGGGGTAATCTATA 2505
              ||| |||||||||||| |
Db          5 TGAGGGGGTAATCTACA 21


RESULT 1807
US-08-682-255A-10
; Sequence 10, Application US/08682255A
; Patent No. 6323185
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    APPLICANT:  Pommier, Eyves
;    APPLICANT:  Mazumder, Abhijit
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  87
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Conley, Rose & Tayon, P.C.
;      STREET:  600 Travis, Suite 1850
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77002-2912
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  MS Windows 95
;      SOFTWARE:  MS Word 97 (saved as .txt file)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/682,255A
;      FILING DATE:  17-JULY-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/535,168
;      FILING DATE:  23-OCT-95
;      APPLICATION NUMBER:  60/001,505
;      FILING DATE:  19-JULY-95
;      APPLICATION NUMBER:  60/014,007
;      FILING DATE:  25-MARCH-96
;      APPLICATION NUMBER:  60/013,688
;      FILING DATE:  19-MARCH-96
;      APPLICATION NUMBER:  60/015,714
;      FILING DATE:  17-APRIL-96
;      APPLICATION NUMBER:  60/016,271
;      FILING DATE:  23-APRIL-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDaniel, C. Steven
;      REGISTRATION NUMBER:  33,962
;      REFERENCE/DOCKET NUMBER:  1472-06214
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/238-8010
;      TELEFAX:  713/238-8008
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-682-255A-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGCTGGGGGG 122
              | ||||||| |||||||
Db          4 GGTTGGGGGGTGGGGGG 20


RESULT 1808
US-09-429-130-10
; Sequence 10, Application US/09429130
; Patent No. 6355785
;  GENERAL INFORMATION:
;       APPLICANT: Rando, Robert F.
;                  Fennewald, Susan
;                  Zendegui, Joseph G.
;                  Ojwang, Joshua O.
;                  Hogan, Michael E.
;                  Pommier, Eyves
;                  Mazumder, Abhijit
;                  60/015,714
;       TITLE OF INVENTION: Anti-Viral Guanosine-Rich
;                           Oligonucleotides
;       NUMBER OF SEQUENCES: 87
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Conley, Rose & Tayon, P.C.
;            STREET: 600 Travis, Suite 1850
;            CITY: Houston
;            STATE: Texas
;            COUNTRY: U.S.A.
;            ZIP: 77002-2912
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: MS Windows 95
;            SOFTWARE: MS Word 97 (saved as .txt file)
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/429,130
;            FILING DATE: 28-Oct-1999
;            CLASSIFICATION: <Unknown>
;                            19-JULY-95
;                            25-MARCH-96
;                            19-MARCH-96
;                            17-APRIL-96
;
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;                          23-APRIL-96
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/682,255
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: 60/001,505
;            FILING DATE: 19-JULY-95
;            APPLICATION NUMBER: 60/014,007
;            FILING DATE: 25-MARCH-96
;            APPLICATION NUMBER: 60/013,688
;            FILING DATE: 19-MARCH-96
;            APPLICATION NUMBER: 60/016,271
;            FILING DATE: 17-APRIL-96
;       ATTORNEY/AGENT INFORMATION:
;            NAME: McDaniel, C. Steven
;            REGISTRATION NUMBER: 33,962
;            REFERENCE/DOCKET NUMBER: 1472-06214
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 713/238-8010
;            TELEFAX: 713/238-8008
;   INFORMATION FOR SEQ ID NO: 10:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 21 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-429-130-10

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGCTGGGGGG 122
              | ||||||| |||||||
Db          4 GGTTGGGGGGTGGGGGG 20


RESULT 1809
US-08-649-950-76
; Sequence 76, Application US/08649950
; Patent No. 6403303
;  GENERAL INFORMATION:
;    APPLICANT:  Shipman, Robert
;    APPLICANT:  Leushner, James
;    APPLICANT:  Dunn, James M.
;    TITLE OF INVENTION:  METHOD AND REAGENTS FOR TESTING FOR
;    TITLE OF INVENTION:  MUTATIONS IN THE BRCA1 GENE
;    NUMBER OF SEQUENCES:  77
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street Suite 309
;      CITY:  Yorktown
;      STATE:  NY
;      COUNTRY:  US
;      ZIP:  10598
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette - 3.5 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  MS DOS
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/649,950
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Larson, Marina T.
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-028-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  76:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  yes
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      OTHER INFORMATION:  amplification primer for BRCA1 gene
US-08-649-950-76

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1095 CTGTTCATTTGGCTAGG 1111
              |||||||||||  ||||
Db          3 CTGTTCATTTGCATAGG 19


RESULT 1810
US-09-422-978-8235/c
; Sequence 8235, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8235
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-14601 for SEQ 370, in complemo
US-09-422-978-8235

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2062 TTAATAAGTGGTATCTG 2078
              || |||||| |||||||
Db         19 TTCATAAGTAGTATCTG 3


RESULT 1811
US-09-422-978-10171
; Sequence 10171, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
```

```
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10171
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-10304 for SEQ 2306, in complem
US-09-422-978-10171

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1567 AAAAATCCTTCTCCACC 1583
              ||||| ||| |||||||
Db          1 AAAAAACCTGCTCCACC 17


RESULT 1812
US-09-733-444-13
; Sequence 13, Application US/09733444
; Patent No. 6576423
; GENERAL INFORMATION:
;  APPLICANT: Batra, Surinder K.
;  APPLICANT:  Brandt, Randall E.
;  APPLICANT:  Ringel, J"erg
;  APPLICANT:  Faulmann, Grit
;  APPLICANT:  L"hr, Matthias
;  APPLICANT:  Varshney, Grish C.
;  APPLICANT:  University of Nebraska Board of Regents
;  TITLE OF INVENTION: Specific Mucin Expression as a Marker
;  TITLE OF INVENTION:  for Pancreatic Cancer
;  FILE REFERENCE: UNMC 63155
;  CURRENT APPLICATION NUMBER: US/09/733,444
;  CURRENT FILING DATE:  2000-12-08
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 13
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-733-444-13

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        457 CAGCCAGCAGCAGGCCT 473
              || |||||||||||  ||
Db          5 CATCCAGCAGCAGGGCT 21


RESULT 1813
US-09-944-036-11/c
; Sequence 11, Application US/09944036
; Patent No. 6582920
; GENERAL INFORMATION:
;  APPLICANT: YANG, Yeasing Y.
;  APPLICANT:  BRENTANO, Steven T.
;  APPLICANT:  BABOLA, Odile
;  APPLICANT:  TRAN, Nathalie
;  APPLICANT:  VERNET, Guy
;  TITLE OF INVENTION: AMPLIFICATION OF HIV-1 SEQUENCES FOR DETECTION OF
;  TITLE OF INVENTION:  SEQUENCES ASSOCIATED WITH DRUG-RESISTANCE MUTATIONS
;  FILE REFERENCE: GP114-02.UT
;  CURRENT APPLICATION NUMBER: US/09/944,036
;  CURRENT FILING DATE:  2001-08-31
;  PRIOR APPLICATION NUMBER: US 60/229,790
;  PRIOR FILING DATE: 2000-09-01
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: Oligonucleotide primer for Gag target sequence
US-09-944-036-11

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1729 ATTATCAGAAGGTGACA 1745
              ||||||||||||  | ||
Db         18 ATTATCAGAAGGAGCCA 2


RESULT 1814
US-09-944-036-46/c
; Sequence 46, Application US/09944036
; Patent No. 6582920
; GENERAL INFORMATION:
;  APPLICANT: YANG, Yeasing Y.
;  APPLICANT:  BRENTANO, Steven T.
;  APPLICANT:  BABOLA, Odile
;  APPLICANT:  TRAN, Nathalie
;  APPLICANT:  VERNET, Guy
;  TITLE OF INVENTION: AMPLIFICATION OF HIV-1 SEQUENCES FOR DETECTION OF
;  TITLE OF INVENTION:  SEQUENCES ASSOCIATED WITH DRUG-RESISTANCE MUTATIONS
;  FILE REFERENCE: GP114-02.UT
;  CURRENT APPLICATION NUMBER: US/09/944,036
;  CURRENT FILING DATE:  2001-08-31
;  PRIOR APPLICATION NUMBER: US 60/229,790
;  PRIOR FILING DATE: 2000-09-01
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: Oligonucleotide primer for Gag target sequence
US-09-944-036-46

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1729 ATTATCAGAAGGTGACA 1745
              ||||||||||||  | ||
Db         18 ATTATCAGAAGGAGCCA 2


RESULT 1815
US-09-393-858-30/c
; Sequence 30, Application US/09393858
; Patent No. 6627747
; GENERAL INFORMATION:
```

```
;  APPLICANT: Fritz, Christian
;  APPLICANT:  Youngman, Philip
;  APPLICANT:  Guzman, Luz-Maria
;  TITLE OF INVENTION: ESSENTIAL BACTERIAL GENES AND THEIR USE
;  FILE REFERENCE: 06286-088001
;  CURRENT APPLICATION NUMBER: US/09/393,858
;  CURRENT FILING DATE:  1999-09-09
;  PRIOR APPLICATION NUMBER: 60/099,578
;  PRIOR FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
;    LENGTH: 21
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligonucleotide for PCR
US-09-393-858-30

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        460 CCAGCAGCAGGCCTGGC 476
              ||||||  ||||  |||||
Db         21 CCAGCAACAGGACTGGC 5


RESULT 1816
US-09-726-774-18/c
; Sequence 18, Application US/09726774
; Patent No. 6677153
; GENERAL INFORMATION:
;  APPLICANT: Iversen, Patrick L.
;  TITLE OF INVENTION: Antisense Antibacterial Method and
;  TITLE OF INVENTION:  Composition
;  FILE REFERENCE: 0450-0032.30
;  CURRENT APPLICATION NUMBER: US/09/726,774
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 60/168,150
;  PRIOR FILING DATE: 1999-11-29
;  NUMBER OF SEQ ID NOS: 139
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;    LENGTH: 21
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: antisense oligomer
US-09-726-774-18

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        169 GTTGTGGAAAATAACCG 185
              |||||||  ||||||||
Db         21 GTTGTGGTTAATAACCG 5


RESULT 1817
US-09-726-774-40
; Sequence 40, Application US/09726774
; Patent No. 6677153
; GENERAL INFORMATION:
;  APPLICANT: Iversen, Patrick L.
;  TITLE OF INVENTION: Antisense Antibacterial Method and
;  TITLE OF INVENTION:  Composition
;  FILE REFERENCE: 0450-0032.30
;  CURRENT APPLICATION NUMBER: US/09/726,774
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 60/168,150
;  PRIOR FILING DATE: 1999-11-29
;  NUMBER OF SEQ ID NOS: 139
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 40
;    LENGTH: 21
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: antisense oligomer
US-09-726-774-40

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2009 CAGAGATCAAGTCCTCT 2025
              ||||||  ||||  |||||
Db          1 CAGAGAGCAAGCCCTCT 17


RESULT 1818
US-09-726-774-58
; Sequence 58, Application US/09726774
; Patent No. 6677153
; GENERAL INFORMATION:
;  APPLICANT: Iversen, Patrick L.
;  TITLE OF INVENTION: Antisense Antibacterial Method and
;  TITLE OF INVENTION:  Composition
;  FILE REFERENCE: 0450-0032.30
;  CURRENT APPLICATION NUMBER: US/09/726,774
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 60/168,150
;  PRIOR FILING DATE: 1999-11-29
;  NUMBER OF SEQ ID NOS: 139
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 58
;    LENGTH: 21
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: antisense oligomer
US-09-726-774-58

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1393 GTCTGCCCTGCAGAACT 1409
              ||||  ||||||||  |||
Db          3 GTCTCCCCTGCAGTACT 19


RESULT 1819
PCT-US93-07743-13
; Sequence 13, Application PC/TUS9307743
;  GENERAL INFORMATION:
;    APPLICANT:  Jayaraman, Krishna
;    APPLICANT:  Vu, Huynh
;    APPLICANT:  Zendegui, Joseph
;    TITLE OF INVENTION:  Cholesteryl-Modified Triple Helix
;    TITLE OF INVENTION:  Forming Oligonucleotides and Uses Thereof
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dr. Adler/ Fulbright & Jaworski
;      STREET:  1301 McKinney St Suite 4100
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  USA
;      ZIP:  77010-3095
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
```

```
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US93/07743
;       FILING DATE:  19930817
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/934,065
;       FILING DATE:  21-AUG-1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Adler Ph.D., Benjamin A.
;       REGISTRATION NUMBER:  35,423
;       REFERENCE/DOCKET NUMBER:  D5523
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  713-651-5587
;       TELEFAX:  713-651-5246
;       TELEX:  76-2829
;   INFORMATION FOR SEQ ID NO:  13:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  21 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FEATURE:
;       NAME/KEY:  misc_feature
;       LOCATION:  1
;       OTHER INFORMATION:  /note= "a cholesterol moiety is
;       OTHER INFORMATION:  attached to the 3' end"
PCT-US93-07743-13

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGCTGGGGGG 122
              | ||||||| |||||||
Db          4 GGTTGGGGGGTGGGGGG 20


RESULT 1820
PCT-US93-08101-38
; Sequence 38, Application PC/TUS9308101
;  GENERAL INFORMATION:
;    APPLICANT:  Bennett and Mirabelli
;    TITLE OF INVENTION:  Oligonucleotide Modulation
;    TITLE OF INVENTION:  of Cell Adhesion
;    NUMBER OF SEQUENCES:  85
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodland Falls Corporate Park
;      STREET:  210 Lake Drive East, Suie 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/08101
;      FILING DATE:  Herewith
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  939,855
;      FILING DATE:  September 2, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/05209
;      FILING DATE:  July 23, 1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  567,286
;      FILING DATE:  August 14, 1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
PCT-US93-08101-38

  Query Match             0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2489 TGATGGGGTAATCTATA 2505
              ||| |||||||||||| |
Db          5 TGAGGGGGTAATCTACA 21


RESULT 1821
PCT-US96-11786-10
; Sequence 10, Application PC/TUS9611786
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    APPLICANT:  Pommier, Eyves
;    APPLICANT:  Mazumder, Abhijit
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Conley, Rose & Tayon, P.C.
;      STREET:  600 Travis, Suite 1850
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77002-2912
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/11786
;      FILING DATE:  17-JULY-1996
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/535,168; 60/001,505; 60/014,007; 60/013,688;
;      APPLICATION NUMBER:  60/015,714; 60/016,271
;      FILING DATE:  23-OCT-95; 17-JULY-96; 25-MARCH-96; 19-MARCH-96; 23-
;      FILING DATE:  APRIL-96; 17-APRIL-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDaniel, C. Steven
;      REGISTRATION NUMBER:  33,962
;      REFERENCE/DOCKET NUMBER:  1472-06214
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/238-8010
;      TELEFAX:  713/238-8008
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
```

```
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
PCT-US96-11786-10

  Query Match              0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGCTGGGGGG 122
              | ||||||| |||||||
Db          4 GGTTGGGGGGTGGGGGG 20


RESULT 1822
5457089-30
;Patent No. 5457089
;     APPLICANT: FIBI, MATHIAS;ZETTLMEISSL, GERD;KUPPER, HANS
;     TITLE OF INVENTION: MUTEINS OF HUMAN ERYTHROPOIETIN, THE
;PREPARATION THEREOF AND THE USE THEREOF
;     NUMBER OF SEQUENCES: 32
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/272,375
;       FILING DATE: 06-JUL-1994
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER: 152,919
;       FILING DATE: 16-NOV-1993
;       APPLICATION NUMBER: 799,898
;       FILING DATE: 02-DEC-1991
;       APPLICATION NUMBER: 553,593
;       FILING DATE: 18-JUL-1990
;SEQ ID NO:30:
;       LENGTH: 21
5457089-30

  Query Match              0.5%;  Score 13.8;  DB 1;  Length 21;
  Best Local Similarity   88.2%;  Pred. No. 2.5e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        479 GGCCGCCAGAGCCAGGA 495
              ||||||| | |||||||
Db          4 GGCCGCCCGCGCCAGGA 20


RESULT 1823
US-08-457-273B-31/c
; Sequence 31, Application US/08457273B
; Patent No. 5849995
;  GENERAL INFORMATION:
;     APPLICANT:  Hayden, Michael
;     APPLICANT:  Lin, Biaoyang
;     APPLICANT:  Nasir, Jamal
;     TITLE OF INVENTION:  Mouse Model for Huntington's Disease and
;     TITLE OF INVENTION:  Related DNA Sequences
;     NUMBER OF SEQUENCES:  42
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Virginia Bennett
;       STREET:  PO Box 37428
;       CITY:  Raleigh
;       STATE:  No. 5849995th Carolina
;       COUNTRY:  US
;       ZIP:  27627
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/457,273B
;       FILING DATE:
;       CLASSIFICATION:  800
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Bennett, Virginia C.
;       REGISTRATION NUMBER:  37,092
;       REFERENCE/DOCKET NUMBER:  3477-85A
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  919-854-1400
;       TELEFAX:  919-854-1401
;  INFORMATION FOR SEQ ID NO:  31:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-457-273B-31

  Query Match              0.5%;  Score 13.8;  DB 1;  Length 22;
  Best Local Similarity   88.2%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              ||||| |||||||| ||
Db         20 AAAAATAAAAAAAAGAA 4


RESULT 1824
US-09-688-990-20
; Sequence 20, Application US/09688990
; Patent No. 6682907
; GENERAL INFORMATION:
;  APPLICANT: CHARNEAU, PIERRE
;  APPLICANT:  ZENNOU, VERONIQUE
;  APPLICANT:  FIRAT, HUSEYIN
;  TITLE OF INVENTION: USE OF TRIPLEX STRUCTURE DNA SEQUENCES FOR TRANSFERRING
;  TITLE OF INVENTION:  NUCLEOTIDE SEQUENCES
;  FILE REFERENCE: 03495.0199
;  CURRENT APPLICATION NUMBER: US/09/688,990
;  CURRENT FILING DATE:  2000-10-17
;  PRIOR APPLICATION NUMBER: PCT/FR99/00974
;  PRIOR FILING DATE: 1999-04-23
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Caprine arthritis encaphalitis virus
US-09-688-990-20

  Query Match              0.5%;  Score 13.8;  DB 1;  Length 22;
  Best Local Similarity   88.2%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              ||||| ||||||| |||
Db          1 AAAAATAAAAAAAGAAA 17


RESULT 1825
US-08-203-198-23/c
; Sequence 23, Application US/08203198
; Patent No. 5512462
;  GENERAL INFORMATION:
;     APPLICANT:  Cheng, Suzanne
;     TITLE OF INVENTION:  Methods and Reagents for the Polymerase
;     TITLE OF INVENTION:  Chain Reaction Amplification of Long DNA Sequences
;     NUMBER OF SEQUENCES:  32
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Hoffmann-La Roche Inc.
;       STREET:  340 Kingsland Street
;       CITY:  Nutley
;       STATE:  NJ
;       COUNTRY:  U.S.A.
;       ZIP:  07110
;     COMPUTER READABLE FORM:
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```
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/203,198
;       FILING DATE:
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Petry Ph.D., Douglas A.
;       REGISTRATION NUMBER:  35,321
;       REFERENCE/DOCKET NUMBER:  8894
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (510) 814-2974
;       TELEFAX:  (510) 814-2977
;   INFORMATION FOR SEQ ID NO:  23:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-203-198-23

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        707 GACGACCAGCACCTGTTGCT 726
              || | ||||| |||||| ||
Db         20 GATGCCCAGCGCCTGTTTCT 1


RESULT 1826
US-08-487-141B-64/c
; Sequence 64, Application US/08487141B
; Patent No. 5683987
;  GENERAL INFORMATION:
;    APPLICANT:  Smith, Larry J.
;    TITLE OF INVENTION:  Therapeutic Oligonucleotides
;    TITLE OF INVENTION:  Targeting the Human MDR1 and MRP Genes
;    NUMBER OF SEQUENCES:  114
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street  Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,141B
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/379,180
;      FILING DATE:  12-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hagan, Patrick J.
;      REGISTRATION NUMBER:  27,643
;      REFERENCE/DOCKET NUMBER:  63082C
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)563-4100
;      TELEFAX:  (215)563-4044
;  INFORMATION FOR SEQ ID NO:  64:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-487-141B-64

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATCAACCCCC 434
              ||||||| ||||| ||| |
Db         20 CGCCGCCATCATCATCCCGC 1


RESULT 1827
US-08-486-408-18/c
; Sequence 18, Application US/08486408
; Patent No. 5716846
;  GENERAL INFORMATION:
;    APPLICANT:  Brown, Steven Joel
;    APPLICANT:  Dattagupta, Nanibhushan
;    APPLICANT:  Naidu, Yathi M.
;    TITLE OF INVENTION:  METHOD FOR INHIBITING CELLULAR
;    TITLE OF INVENTION:  PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
;    TITLE OF INVENTION:  mRNA
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gen-Probe Incorporated
;      STREET:  9880 Campus Point Drive
;      CITY:  San Diego
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,408
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fisher, Carlos A
;      REGISTRATION NUMBER:  36,510
;      REFERENCE/DOCKET NUMBER:  CBI009
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-535-2807
;      TELEFAX:  619-546-7929
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-486-408-18

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        451 CACAGGCAGCCAGCAGCAGG 470
              | |||| |||| || |||||
Db         20 CTCAGGAAGCCGGCTGCAGG 1


RESULT 1828
US-08-509-521-4/c
```

```
; Sequence 4, Application US/08509521
; Patent No. 5767337
;  GENERAL INFORMATION:
;    APPLICANT:  Roses, Allen D.
;    APPLICANT:  Gilbert, John R.
;    APPLICANT:  Xu, Du-Ting
;    APPLICANT:  Schmechel, Donald
;    TITLE OF INVENTION:  Creation of Human Apolipoprotein E
;    TITLE OF INVENTION:  Isoform Specific Transgenic Mice in Apolipoprotein E
;    TITLE OF INVENTION:  Deficient "Knockout" Mice
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kenneth D. Sibley
;      STREET:  P.O. Box 31107
;      CITY:  Raleigh
;      STATE:  No. 5767337th Carolina
;      COUNTRY:  USA
;      ZIP:  27622
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/509,521
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sibley, Kenneth D.
;      REGISTRATION NUMBER:  31,665
;      REFERENCE/DOCKET NUMBER:  5405-111
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (919) 420-2200
;      TELEFAX:  (919) 881-3175
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-509-521-4

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        706 CGACGACCAGCACCTGTTGC 725
              |||  |||| ||||| ||||
Db         20 CGAGTACCATCACCTCTTGC 1


RESULT 1829
US-08-531-556-39
; Sequence 39, Application US/08531556
; Patent No. 5776682
;  GENERAL INFORMATION:
;    APPLICANT:  Agoulnik, Alexander I
;    APPLICANT:  Kent First, Marijo
;    APPLICANT:  Muallem, Ariege
;    TITLE OF INVENTION:  MALE INFERTILITY Y-DELETION DETECTION
;    TITLE OF INVENTION:  BATTERY
;    NUMBER OF SEQUENCES:  124
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DeWitt Ross & Stevens, S.C.
;      STREET:  8000 Excelsior Drive, Suite 401
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53717-1914
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/531,556
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sara, Charles S.
;      REGISTRATION NUMBER:  30,492
;      REFERENCE/DOCKET NUMBER:  34506.034CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  608-831-2100
;      TELEFAX:  608-831-2106
;  INFORMATION FOR SEQ ID NO:  39:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-531-556-39

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1078 CTTAGTAGAAGGTGAAGCTG 1097
              ||||| | || |||||||  |
Db          1 CTTAGGAAAAAGTGAAGCCG 20


RESULT 1830
US-08-472-416-39
; Sequence 39, Application US/08472416
; Patent No. 5783390
;  GENERAL INFORMATION:
;    APPLICANT:  Agoulnik, A.
;    APPLICANT:  Kent, Marijo G.
;    TITLE OF INVENTION:  MALE INFERTILITY Y-DELETION DETECTION
;    TITLE OF INVENTION:  BATTERY
;    NUMBER OF SEQUENCES:  94
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DeWitt Ross & Stevens, S.C.
;      STREET:  8000 Excelsior Drive, Suite 401
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53717-1914
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/472,416
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sara, Charles S.
;      REGISTRATION NUMBER:  30,492
;      REFERENCE/DOCKET NUMBER:  34506.034
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  608-831-2100
;      TELEFAX:  608-831-2106
;  INFORMATION FOR SEQ ID NO:  39:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-472-416-39
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  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1078 CTTAGTAGAAGGTGAAGCTG 1097
              ||||| | || ||||||| |
Db          1 CTTAGGAAAAAGTGAAGCCG 20


RESULT 1831
US-08-465-485A-26
; Sequence 26, Application US/08465485A
; Patent No. 5831066
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, John
;    TITLE OF INVENTION:  Regulation of bcl-2 Gene Expression
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 S. Jefferson Davis Hwy., Suite 400
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,485A
;      FILING DATE:  05-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/124,256
;      FILING DATE:  20-SEP-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/840,716
;      FILING DATE:  21-FEB-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/288,692
;      FILING DATE:  22-DEC-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fortney, Andrew D.
;      REGISTRATION NUMBER:  34,600
;      REFERENCE/DOCKET NUMBER:  3335-070-55 CONT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (408) 436-2070
;      TELEFAX:  (408) 436-2075
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid;
;      DESCRIPTION:  Synthetic DNA
;    ANTI-SENSE:  YES
;    FEATURE:
;      NAME/KEY:  Modified_base
;      LOCATION:  18..19
;      OTHER INFORMATION:  Last two internucleoside linkages are
;      OTHER INFORMATION:  phosphorothioates
US-08-465-485A-26

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         49 GCGCGGCGGGGGCGGCGGCA 68
              |||||||||| | |  ||||
Db          1 GCGCGGCGGGCGGGCGGGCA 20


RESULT 1832
US-08-753-979A-1
; Sequence 1, Application US/08753979A
; Patent No. 5840549
;  GENERAL INFORMATION:
;    APPLICANT:  Kent First, Marijo
;    APPLICANT:  Muallem, Ariege
;    TITLE OF INVENTION:  MALE INFERTILITY Y-DELETION DETECTION
;    TITLE OF INVENTION:  BATTERY
;    NUMBER OF SEQUENCES:  40
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DeWitt Ross & Stevens, S.C.
;      STREET:  8000 Excelsior Drive, Suite 401
;      CITY:  Madison
;      STATE:  WI
;      COUNTRY:  USA
;      ZIP:  53717-1914
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/753,979A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sara, Charles S.
;      REGISTRATION NUMBER:  30,492
;      REFERENCE/DOCKET NUMBER:  34506.051
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  608-831-2100
;      TELEFAX:  608-831-2106
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-753-979A-1

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1078 CTTAGTAGAAGGTGAAGCTG 1097
              ||||| | || ||||||| |
Db          1 CTTAGGAAAAAGTGAAGCCG 20


RESULT 1833
US-08-889-296A-37/c
; Sequence 37, Application US/08889296A
; Patent No. 5872242
;  GENERAL INFORMATION:
;    APPLICANT:  Monia, B.P., Cowsert, L.M. and Manoharan, M.
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Inhibition of ras
;    NUMBER OF SEQUENCES:  55
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
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;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/889,296A
;      FILING DATE:  herewith
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/411,734
;      FILING DATE:  April 3, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/09346
;      FILING DATE:  October 1, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  958,134
;      FILING DATE:  October 5, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/007,996
;      FILING DATE:  January 21, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0213
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  37:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-889-296A-37

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         69 GACGCCTGGTCACCGTGACC 88
              | |||||||| || ||| ||
Db         20 GCCGCCTGGTTACTGTGTCC 1


RESULT 1834
US-08-927-561-64/c
; Sequence 64, Application US/08927561
; Patent No. 5874567
;  GENERAL INFORMATION:
;    APPLICANT:  Smith, Larry J.
;    TITLE OF INVENTION:  Therapeutic Oligonucleotides
;    TITLE OF INVENTION:  Targeting the Human MDR1 and MRP Genes
;    NUMBER OF SEQUENCES:  114
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street  Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/927,561
;      FILING DATE:  08-SEPT-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/487,141
;      FILING DATE:  05-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rigaut, Kathleen D.
;      REGISTRATION NUMBER:  P43,047
;      REFERENCE/DOCKET NUMBER:  63082C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)563-4100
;      TELEFAX:  (215)563-4044
;  INFORMATION FOR SEQ ID NO:  64:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-927-561-64

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         415 CGCCGCCGCCATCAACCCCC 434
               |||||||  ||||| ||| |
Db          20 CGCCGCCATCATCATCCCGC 1


RESULT 1835
US-08-975-570-18/c
; Sequence 18, Application US/08975570
; Patent No. 5945336
;  GENERAL INFORMATION:
;    APPLICANT:  Brown, Steven Joel
;    APPLICANT:  Dattagupta, Nanibhushan
;    APPLICANT:  Naidu, Yathi M.
;    TITLE OF INVENTION:  METHOD FOR INHIBITING CELLULAR
;    TITLE OF INVENTION:  PROLIFERATION USING ANTISENSE OLIGONUCLEOTIDES TO INTERLEUKIN-
;    TITLE OF INVENTION:  mRNA
;    NUMBER OF SEQUENCES:  19
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Gen-Probe Incorporated
;      STREET:  9880 Campus Point Drive
;      CITY:  San Diego
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92121
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/975,570
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/486,408
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fisher, Carlos A
;      REGISTRATION NUMBER:  36,510
;      REFERENCE/DOCKET NUMBER:  CBI009
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-535-2807
;      TELEFAX:  619-546-7929
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-975-570-18

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
```

```
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        451 CACAGGCAGCCAGCAGCAGG 470
              | |||| |||| || |||||
Db         20 CTCAGGAAGCCGGCTGCAGG 1


RESULT 1836
US-08-837-201C-67
; Sequence 67, Application US/08837201C
; Patent No. 5985558
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas M. Dean; Robert A. McKay; Loren J.
;    APPLICANT:  Miraglia; Brenda F. Baker
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Compositions and Methods for the Modulation of
;    TITLE OF INVENTION:  Activating Protein 1
;    NUMBER OF SEQUENCES:  139
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/837,201C
;      FILING DATE:  April 14, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0209
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 810-1515
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  67:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-837-201C-67

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        632 CTGGATGCCGCGGGCCTGGC 651
              ||||||||||   |||| ||
Db          1 CTGGATGCCGGCTGCCTTGC 20


RESULT 1837
US-08-940-250-21/c
; Sequence 21, Application US/08940250
; Patent No. 6001991
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas Dean, Muthiah Manoharan
;    TITLE OF INVENTION:  Antisense Oligonucleotide Modulation
;    TITLE OF INVENTION:  of MDR P-Glycoprotein Gene Expression
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/940,250
;      FILING DATE:  Herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/731,199
;      FILING DATE:  10/4/96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0217
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-940-250-21

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2756 TGTATAATAAAAGTATTCTT 2775
              | ||||||||||  ||   |||
Db         20 TCTATAATAAAACTAAACTT 1


RESULT 1838
US-09-366-257-17
; Sequence 17, Application US/09366257
; Patent No. 6030837
; GENERAL INFORMATION:
;  APPLICANT: Robert McKay
;  APPLICANT: Madeline M. Butler
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PEPCK-MITOCHONDRIAL EXPRESSION
;  FILE REFERENCE: RTS-0073
;  CURRENT APPLICATION NUMBER: US/09/366,257
;  CURRENT FILING DATE: 1999-08-03
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 17
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-366-257-17

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1444 CTACATGAACCCTGGAGACC 1463
              || |||| | |||||| |||
Db          1 CTGCATGCAGCCTGGAAACC 20


RESULT 1839
```

```
US-09-080-285-26
; Sequence 26, Application US/09080285
; Patent No. 6040181
;  GENERAL INFORMATION:
;    APPLICANT:  Reed, John
;    TITLE OF INVENTION:  Regulation of bcl-2 Gene Expression
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 S. Jefferson Davis Hwy., Suite 400
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/080,285
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/465,485
;      FILING DATE:  05-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/124,256
;      FILING DATE:  20-SEP-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/840,716
;      FILING DATE:  21-FEB-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/288,692
;      FILING DATE:  22-DEC-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fortney, Andrew D.
;      REGISTRATION NUMBER:  34,600
;      REFERENCE/DOCKET NUMBER:  3335-070-55 CONT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (408) 436-2070
;      TELEFAX:  (408) 436-2075
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid;
;      DESCRIPTION:  Synthetic DNA
;    ANTI-SENSE:  YES
;    FEATURE:
;      NAME/KEY:  Modified_base
;      LOCATION:  18..19
;      OTHER INFORMATION:  Last two internucleoside linkages are
;      OTHER INFORMATION:  phosphorothioates
US-09-080-285-26

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         49 GCGCGGCGGGGGCGGCGGCA 68
              |||||||||| | |  ||||
Db          1 GCGCGGCGGGCGGGCGGGCA 20


RESULT 1840
US-09-344-001-17
; Sequence 17, Application US/09344001
; Patent No. 6054440
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF Jun N-TERMINAL KINASE KINASE-2 EXPRESSION
;  FILE REFERENCE: RTS-0067
;  CURRENT APPLICATION NUMBER: US/09/344,001
;  CURRENT FILING DATE: 1999-06-24
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 17
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-001-17

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        414 ACGCCGCCGCCATCAACCCC 433
              | | ||||||||||  ||||
Db          1 AGGACGCCGCCATCTTCCCC 20


RESULT 1841
US-09-166-186-217
; Sequence 217, Application US/09166186A
; Patent No. 6080580
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-a EXPRESSION
;  FILE REFERENCE: ISPH-0322
;  CURRENT APPLICATION NUMBER: US/09/166,186A
;  CURRENT FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 250
; SEQ ID NO 217
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-166-186-217

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1453 CCCTGGAGACCAGAGTCCAG 1472
              ||||||   |||||  |||||
Db          1 CCCTGGTCTCCAGATTCCAG 20


RESULT 1842
US-08-827-036A-10/c
; Sequence 10, Application US/08827036A
; Patent No. 6080727
;  GENERAL INFORMATION:
;    APPLICANT:  Gabriella Zupi
;    TITLE OF INVENTION:  Oligonucleotide Treatments and
;    TITLE OF INVENTION:  Compositions for Human Melanoma
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  James A. Bradburne, Ph.D.
;      STREET:  5 Palo Alto Square,
;      STREET:  3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
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;       MEDIUM TYPE:  3.5 inch diskette
;       COMPUTER:  IBM compatible
;       OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;       SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/827,036A
;       FILING DATE:  03/25/97
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  USSN 60/014,089
;       FILING DATE:  26-MAR-1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  James A. Bradburne, Ph.D.
;       REGISTRATION NUMBER:  38,389
;       REFERENCE/DOCKET NUMBER:  LYNX-031/01US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (650) 843-5095
;       TELEFAX:  (650) 857-0663
;   INFORMATION FOR SEQ ID NO:  10:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-827-036A-10

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTCCACGA 672
              |||  ||||| |||||| ||
Db         20 GAGCCCCTGGTGCTCCATGA 1


RESULT 1843
US-08-961-469A-44/c
; Sequence 44, Application US/08961469A
; Patent No. 6083923
;  GENERAL INFORMATION:
;    APPLICANT:  Greg Hardee, Richard Geary, Arthur Levin,
;    APPLICANT:  Mike Templin, Randy Howard, Rahul Mehta
;    TITLE OF INVENTION:  LIPOSOMAL OLIGONUCLEOTIDE COMPOSITIONS           FOR MO
;    NUMBER OF SEQUENCES:  61
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata, Esq.
;      STREET:  66 E. Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  PENTIUM
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/961,469A
;      FILING DATE:  October 31, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0219
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  609-779-2400
;      TELEFAX:  609-810-1454
;  INFORMATION FOR SEQ ID NO:  44:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-961-469A-44

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         69 GACGCCTGGTCACCGTGACC 88
              | |||||||| || ||| ||
Db         20 GCCGCCTGGTTACTGTGTCC 1


RESULT 1844
US-09-009-913-327/c
; Sequence 327, Application US/09009913
; Patent No. 6087485
;  GENERAL INFORMATION:
;    APPLICANT:  AxyS Pharmaceuticals, Inc.
;    TITLE OF INVENTION:  Asthma Related Genes
;    NUMBER OF SEQUENCES:  339
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bozicevic & Reed, LLP
;      STREET:  285 Hamilton Ave, Suite 200
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94301
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/009,913
;      FILING DATE:  21-JAN-1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sherwood, Pamela J
;      REGISTRATION NUMBER:  36,677
;      REFERENCE/DOCKET NUMBER:  SEQ-4P
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-327-3231
;      TELEFAX:  650-327-3231
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  327:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-009-913-327

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        1619 AGTTTGTTACCTACCTTACT 1638
               |||| |||||||||  | ||
Db          20 AGTTAGTTACCTACTGTGCT 1


RESULT 1845
US-09-157-177-29/c
; Sequence 29, Application US/09157177
; Patent No. 6090558
; GENERAL INFORMATION:
;  APPLICANT: Butler, John M.
```

```
;  APPLICANT: Li, Jia
;  APPLICANT: Monforte, Joseph A.
;  APPLICANT: Becker, Christopher H.
;  TITLE OF INVENTION: DNA TYPING BY MASS SPECTROMETRY WITH  POLYMORPHIC DNA
;  TITLE OF INVENTION: REPEAT MARKERS
;  FILE REFERENCE: GETR:017/GETR017P
;  CURRENT APPLICATION NUMBER: US/09/157,177
;  CURRENT FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 60/059,415
;  EARLIER FILING DATE: 1997-09-19
;  NUMBER OF SEQ ID NOS: 135
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-157-177-29

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1542 GAGAGTAGGGAAGGAACAGG 1561
              | || || || |||||||||
Db         20 GGGAATAAGGGAGGAACAGG 1


RESULT 1846
US-09-344-914-75/c
; Sequence 75, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 75
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-75

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAA 2800
              || ||||| |||| ||| ||
Db         20 AAATGAAATAAAAGAAACAA 1


RESULT 1847
US-09-344-914-76/c
; Sequence 76, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 76
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-76

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAAAAAA 2801
              | ||||| |||| ||| |||
Db         20 AATGAAATAAAAGAAACAAA 1


RESULT 1848
US-09-128-494-37/c
; Sequence 37, Application US/09128494
; Patent No. 6117848
;  GENERAL INFORMATION:
;    APPLICANT:  Monia, B.P., Cowsert, L.M. and Manoharan, M.
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Inhibition of ras
;    NUMBER OF SEQUENCES:  55
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata
;      STREET:  210 Lake Drive East, Suite 201
;      CITY:  Cherry Hill
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08002
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/128,494
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/889,296
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/411,734
;      FILING DATE:  April 3, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/09346
;      FILING DATE:  October 1, 1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  958,134
;      FILING DATE:  October 5, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/007,996
;      FILING DATE:  January 21, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0213
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 779-8488
;  INFORMATION FOR SEQ ID NO:  37:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-128-494-37

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         69 GACGCCTGGTCACCGTGACC 88
              | |||||||| || ||| ||
Db         20 GCCGCCTGGTTACTGTGTCC 1
```

```
RESULT 1849
US-08-461-366A-7/c
; Sequence 7, Application US/08461366A
; Patent No. 6133242
;  GENERAL INFORMATION:
;    APPLICANT:  Yi Shi and Andrew Zalewski
;    TITLE OF INVENTION:  Inhibition of Extracellular Matrix
;    TITLE OF INVENTION:  Synthesis by Antisense Compounds Directed to Nuclear
;    TITLE OF INVENTION:  Proto-Oncogenes
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,366A
;      FILING DATE:  03-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/138,637
;      FILING DATE:  15-OCT-1993
;      APPLICATION NUMBER:  PCT/US94/11853
;      FILING DATE:  17-OCT-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jackie N. Nakamura
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-014/05US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 843-5123
;      TELEFAX:  (415) 857-0663
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-461-366A-7

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTCCACGA 672
              |||  ||||| |||||| ||
Db         20 GAGCCCCTGGTGCTCCATGA 1


RESULT 1850
US-09-428-584-18
; Sequence 18, Application US/09428584
; Patent No. 6136604
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF METHIONINE AMINOPEPTIDASE 2 EXPRESSION
;  FILE REFERENCE: RTS-0114
;  CURRENT APPLICATION NUMBER: US/09/428,584
;  CURRENT FILING DATE: 1999-10-27
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-584-18

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2160 TTCTCCTTTTTTTTTTTTTT 2179
              |||| |||||| || || ||
Db          1 TTCTTCTTTTTCTTCTTCTT 20


RESULT 1851
US-09-288-461-43
; Sequence 43, Application US/09288461
; Patent No. 6159694
; GENERAL INFORMATION:
;  APPLICANT: Karras, James G.
;  TITLE OF INVENTION: Antisense Oligonucleotide Modulation of STAT3
;  TITLE OF INVENTION: Expression
;  FILE REFERENCE: ISPH-0338
;  CURRENT APPLICATION NUMBER: US/09/288,461
;  CURRENT FILING DATE: 1999-04-08
;  NUMBER OF SEQ ID NOS: 107
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-09-288-461-43

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1741 TGACAAGTACTGGCTCTTTA 1760
              ||||||| | ||| ||| ||
Db          1 TGACAAGGAGTGGGTCTCTA 20


RESULT 1852
US-09-087-194-4
; Sequence 4, Application US/09087194
; Patent No. 6159718
;  GENERAL INFORMATION:
;    APPLICANT:  Dalboege, Henrik
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Heldt-Hansen, Hans P.
;    APPLICANT:  Halkier, Torben
;    TITLE OF INVENTION:  An Enzyme With Polygalacturonase
;    TITLE OF INVENTION:  Activity
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6159718o No. 6159718disk of No. 6159718th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/087,194
;      FILING DATE:
```

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;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/448,624
;      FILING DATE:  06-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  3921.204-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-087-194-4

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        281 CTCTACAGCCCCGCGCCACC 300
              |||  |||||| || |||||
Db          1 CTCGCCAGCCCAGCCCCACC 20


RESULT 1853
US-08-481-341-10/c
; Sequence 10, Application US/08481341
; Patent No. 6159946
;  GENERAL INFORMATION:
;    APPLICANT:  Zalewski, Andrew and Shi, Yi
;    TITLE OF INVENTION:  ANTISENSE INHIBITION OF
;    TITLE OF INVENTION:  C-MYC TO MODULATE THE PROLIFERATION
;    TITLE OF INVENTION:  OF SMOOTH MUSCLE CELLS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seidel, Gonda, Lavorgna
;      ADDRESSEE:  & Monaco, P.C.
;      STREET:  Two Penn Center, Suite 1800
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH 720 Kb
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS/DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/481,341
;      FILING DATE:  January 7, 1994
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/004,799
;      FILING DATE:  January 7, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Daniel A. Monaco
;      REGISTRATION NUMBER:  30,480
;      REFERENCE/DOCKET NUMBER:  8321-9 CI1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-8383
;      TELEFAX:  (215) 568-5549
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
US-08-481-341-10

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTCCACGA 672
              |||  ||||| ||||||  ||
Db         20 GAGCCCCTGGTGCTCCATGA 1


RESULT 1854
US-09-428-696-10
; Sequence 10, Application US/09428696
; Patent No. 6165789
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF HNRNP A1 EXPRESSION
;  FILE REFERENCE: RTS-0111
;  CURRENT APPLICATION NUMBER: US/09/428,696
;  CURRENT FILING DATE: 1999-10-27
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-696-10

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        336 CACCCTACTTTCCCCCTCCC 355
              || ||||| ||| ||||| |
Db          1 CAGCCTACCTTCGCCCTCTC 20


RESULT 1855
US-09-513-729B-84
; Sequence 84, Application US/09513729B
; Patent No. 6165791
; GENERAL INFORMATION:
;  APPLICANT:      Ian Popoff
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF E2F TRANSCRIPTION FACTOR 3 EXPRESSI(
;  FILE REFERENCE:      RTS-0112
;  CURRENT APPLICATION NUMBER: US/09/513,729B
;  CURRENT FILING DATE:  2000-02-24
;  NUMBER OF SEQ ID NOS:      88
; SEQ ID NO 84
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-513-729B-84

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        361 GCAGCTGGCCTACTCCCAGT 380
              | || | ||||||||||| |
Db          1 GTAGTTTGCCTACTCCCAAT 20


RESULT 1856
US-09-435-296-28/c
; Sequence 28, Application US/09435296
; Patent No. 6171860
```

```
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RANK EXPRESSION
;  FILE REFERENCE: RTS-0116
;  CURRENT APPLICATION NUMBER: US/09/435,296
;  CURRENT FILING DATE: 1999-11-05
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 28
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-435-296-28

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        705 TCGACGACCAGCACCTGTTG 724
              | | || |||||||| ||||
Db         20 TGGGCGCCCAGCACCCGTTG 1


RESULT 1857
US-09-490-692-109/c
; Sequence 109, Application US/09490692
; Patent No. 6180353
; GENERAL INFORMATION:
;  APPLICANT: Nicholas M. Dean
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
;  FILE REFERENCE: RTS-0120
;  CURRENT APPLICATION NUMBER: US/09/490,692
;  CURRENT FILING DATE: 2000-01-24
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 109
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-490-692-109

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1992 TGTGTATCTAGCTTCTTCAG 2011
              ||||| ||| || ||| |||
Db         20 TGTGTTTCTGGCCTCTGCAG 1


RESULT 1858
US-09-280-805-215/c
; Sequence 215, Application US/09280805
; Patent No. 6184212
;  GENERAL INFORMATION:
;    APPLICANT:  Loren J. Miraglia, Pamela Nero, Mark J.
;    APPLICANT:  Graham, Brett P. Monia
;    TITLE OF INVENTION:  ANTISENSE MODULATION OF HUMAN MDM2
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  271
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  U.S.A.
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PC
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/280,805
;      FILING DATE:  herewith
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/048,810
;      FILING DATE:  March 26, 1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Licata, Jane Massey
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0346
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  609-810-1515
;      TELEFAX:  609-810-1454
;  INFORMATION FOR SEQ ID NO:  215:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-280-805-215

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2520 TTTATTCATATATATACAGG 2539
              |||||||| ||||||  | |
Db         20 TTTATTCACATATATCAAAG 1


RESULT 1859
US-09-517-584A-23/c
; Sequence 23, Application US/09517584A
; Patent No. 6187587
; GENERAL INFORMATION:
;  APPLICANT:      Ian Popoff
;  APPLICANT:  Vickie L. Brown-Driver
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF E2F TRANSCRIPTION FACTOR 1 EXPRESSIO
;  FILE REFERENCE:      RTS-0121
;  CURRENT APPLICATION NUMBER: US/09/517,584A
;  CURRENT FILING DATE:  2000-03-22
;  NUMBER OF SEQ ID NOS:      89
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-584A-23

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        646 CCTGGCCGAGAACCTGGGGC 665
              |||||||||||  |   ||||
Db         20 CCTGGCCGAGAGCAGTGGGC 1


RESULT 1860
US-09-290-640-67
; Sequence 67, Application US/09290640
; Patent No. 6204055
; GENERAL INFORMATION:
;  APPLICANT: Dean, Nicholas M.
;  APPLICANT: Marcusson, Eric G.
;  TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
```

```
;  FILE REFERENCE: ISPH-0351
;  CURRENT APPLICATION NUMBER: US/09/290,640
;  CURRENT FILING DATE: 1999-04-12
;  NUMBER OF SEQ ID NOS: 85
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-09-290-640-67

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        231 GCAGCAATGGGAATCCGCGG 250
              ||||||| || || | ||||
Db          1 GCAGCAAGGGAAAACAGCGG 20


RESULT 1861
US-09-313-932-217
; Sequence 217, Application US/09313932A
; Patent No. 6228642
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
;  TITLE OF INVENTION: EXPRESSION
;  FILE REFERENCE: ISPH-0356
;  CURRENT APPLICATION NUMBER: US/09/313,932A
;  CURRENT FILING DATE: 1999-05-18
;  NUMBER OF SEQ ID NOS: 501
; SEQ ID NO 217
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-313-932-217

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1453 CCCTGGAGACCAGAGTCCAG 1472
              ||||||   ||||| |||||
Db          1 CCCTGGTCTCCAGATTCCAG 20


RESULT 1862
US-09-358-972-96/c
; Sequence 96, Application US/09358972
; Patent No. 6235480
; GENERAL INFORMATION:
;  APPLICANT: Shultz, John W
;  APPLICANT: Lewis, Martin K.
;  APPLICANT: Lieppe, Donna
;  APPLICANT: Mandrekar, Michelle
;  APPLICANT: Kephart, Daniel
;  APPLICANT: Rhodes, Richard B.
;  APPLICANT: Andrews, Christine A.
;  APPLICANT: Hartnett, James R.
;  APPLICANT: Gu, Trent
;  APPLICANT: Olson, Ryan J.
;  APPLICANT: Wood, Keith W.
;  APPLICANT: Welch, Roy
;  TITLE OF INVENTION: Nucleic Acid Detection
;  FILE REFERENCE: Pro-103 6868/75528
;  CURRENT APPLICATION NUMBER: US/09/358,972
;  CURRENT FILING DATE: 1999-07-22
;  EARLIER APPLICATION NUMBER: 09/252,436
;  EARLIER FILING DATE: 1999-02-18
;  EARLIER APPLICATION NUMBER: 09/042,287
;  EARLIER FILING DATE: 1998-03-13
;  NUMBER OF SEQ ID NOS: 290
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 96
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: rabbit
;   FEATURE:
;   OTHER INFORMATION: probe for wild-type B-globin PCR targets
US-09-358-972-96

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        886 CAAAGTGACAGTGGCTGAAG 905
              ||| ||||  |||| |||||
Db         20 CAAGGTGAACGTGGATGAAG 1


RESULT 1863
US-09-467-082-14
; Sequence 14, Application US/09467082
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PKA CATALYTIC SUBUNIT C-ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0088
;  CURRENT APPLICATION NUMBER: US/09/467,082
;  CURRENT FILING DATE:  1999-12-17
;  NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-467-082-14

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         45 CCGCGCGCGGCGGGGGCGGC 64
              ||   |||||||| ||||||
Db          1 CCCATCGCGGCGGCGGCGGC 20


RESULT 1864
US-09-021-701-354/c
; Sequence 354, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
```

```
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  354:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-354

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1818 AAGTTTTAGAATCTTTTAAA 1837
              || | |||||  ||||||||
Db         20 AAATCTTAGAGCCTTTTAAA 1


RESULT 1865
US-09-021-701-551
; Sequence 551, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  551:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-551

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2159 TTTCTCCTTTTTTTTTTTTT 2178
              || ||  |||||| ||||||
Db          1 TTACTGATTTTTTCTTTTTT 20


RESULT 1866
US-09-021-701-774/c
; Sequence 774, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  774:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-774

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAAAAAAA 2803
              ||| | || |||||| ||||
Db         20 TGACAGAAGAAAAAATAAAA 1
```

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RESULT 1867
US-09-021-701-775/c
; Sequence 775, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  775:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-775

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAAAAAAA 2802
                ||||  |  ||  ||||||  |||
Db         20 TTGACAGAAGAAAAAATAAA 1


RESULT 1868
US-09-021-701-776/c
; Sequence 776, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  776:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-776

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAAAAAAA 2801
                ||||| |  ||  ||||||  ||
Db         20 ATTGACAGAAGAAAAAATAA 1


RESULT 1869
US-09-487-368A-23/c
; Sequence 23, Application US/09487368A
; Patent No. 6261840
; GENERAL INFORMATION:
;  APPLICANT:      Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE:      RTS-0093
;  CURRENT APPLICATION NUMBER: US/09/487,368A
;  CURRENT FILING DATE:  2000-01-18
;  NUMBER OF SEQ ID NOS:      240
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-368A-23

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        903 AAGTACAGAGGCGACTGTCC 922
                |  |||||||||  ||  |  ||||
Db         20 AGGTACAGAGACGTCAGTCC 1


RESULT 1870
US-09-487-368A-183/c
; Sequence 183, Application US/09487368A
```

```
; Patent No. 6261840
; GENERAL INFORMATION:
;  APPLICANT:      Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE:      RTS-0093
;  CURRENT APPLICATION NUMBER: US/09/487,368A
;  CURRENT FILING DATE:  2000-01-18
;  NUMBER OF SEQ ID NOS:      240
; SEQ ID NO 183
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-368A-183

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1590 ACTGGGAACCCCTCCTGGCC 1609
              ||||| | ||| |||||| |
Db         20 ACTGGAAGCCCTTCCTGGTC 1


RESULT 1871
US-09-489-868A-19/c
; Sequence 19, Application US/09489868A
; Patent No. 6265216
; GENERAL INFORMATION:
;  APPLICANT:    C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF COT ONCOGENE EXPRESSION
;  FILE REFERENCE:    RTS-0113
;  CURRENT APPLICATION NUMBER: US/09/489,868A
;  CURRENT FILING DATE:  2000-01-20
;  NUMBER OF SEQ ID NOS:    89
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-489-868A-19

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1051 AGCCGCTCATGTGACTCTCC 1070
              | |  |||||| ||||||||
Db         20 ACCACCTCATGAGACTCTCC 1


RESULT 1872
US-09-593-711A-18/c
; Sequence 18, Application US/09593711A
; Patent No. 6271030
; GENERAL INFORMATION:
;  APPLICANT:    Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
;  FILE REFERENCE:    RTS-0118
;  CURRENT APPLICATION NUMBER: US/09/593,711A
;  CURRENT FILING DATE:  2000-06-14
;  NUMBER OF SEQ ID NOS:    244
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-18

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         50 CGCGGCGGGGGCGGCGGCAG 69
              | |||| | ||||||| ||||
Db         20 CCCGGCAGCGGCGGCAGCAG 1


RESULT 1873
US-09-593-711A-160
; Sequence 160, Application US/09593711A
; Patent No. 6271030
; GENERAL INFORMATION:
;  APPLICANT:    Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
;  FILE REFERENCE:    RTS-0118
;  CURRENT APPLICATION NUMBER: US/09/593,711A
;  CURRENT FILING DATE:  2000-06-14
;  NUMBER OF SEQ ID NOS:    244
; SEQ ID NO 160
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-160

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        562 GGCGGGCGCGGTGAGCGCCC 581
              ||||||||||||   ||| ||
Db          1 GGCGGGCGCGGCCGGCGGCC 20


RESULT 1874
US-09-593-711A-228/c
; Sequence 228, Application US/09593711A
; Patent No. 6271030
; GENERAL INFORMATION:
;  APPLICANT:    Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
;  FILE REFERENCE:    RTS-0118
;  CURRENT APPLICATION NUMBER: US/09/593,711A
;  CURRENT FILING DATE:  2000-06-14
;  NUMBER OF SEQ ID NOS:    244
; SEQ ID NO 228
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-228

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              |||||  |||| ||||| ||
Db         20 TTTTTGGTTTTGTTTTTGTT 1


RESULT 1875
```

```
US-09-484-617-164
; Sequence 164, Application US/09484617
; Patent No. 6303374
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 3 EXPRESSION
;  FILE REFERENCE: RTS-0103
;  CURRENT APPLICATION NUMBER: US/09/484,617
;  CURRENT FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 164
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-484-617-164

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1742 GACAAGTACTGGCTCTTTAT 1761
              ||||  |||| |||| ||||
Db          1 GACAGTTACTTGCTCCTTAT 20


RESULT 1876
US-09-364-416-67
; Sequence 67, Application US/09364416
; Patent No. 6312900
; GENERAL INFORMATION:
;    APPLICANT:  Nicholas M. Dean; Robert A. McKay; Loren J.
;    APPLICANT:  Miraglia; Brenda F. Baker
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Compositions and Methods for the Modulation of
;    TITLE OF INVENTION:  Activating Protein 1
;    NUMBER OF SEQUENCES:  139
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/364,416
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/837,201
;      FILING DATE:  April 14, 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0209
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 810-1515
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  67:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-364-416-67

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        632 CTGGATGCCGCGGGCCTGGC 651
              ||||||||||   |||| ||
Db          1 CTGGATGCCGGCTGCCTTGC 20


RESULT 1877
US-08-424-991B-7/c
; Sequence 7, Application US/08424991B
; Patent No. 6323184
; GENERAL INFORMATION:
;    APPLICANT:  Yi Shi and Andrew Zalewski
;    TITLE OF INVENTION:  Arteriovenous and Venous Graft
;    TITLE OF INVENTION:  Treatments:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John D. Mendlein, Ph.D.
;      STREET:  Five Palo Alto Square
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers.
;      SOFTWARE:  2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/424,991B
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT Application US94/11853
;      FILING DATE:  October 17, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  John D. Mendlein, Ph.D.
;      REGISTRATION NUMBER:  38,770
;      REFERENCE/DOCKET NUMBER:  LYNX-014/02US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 843-5020
;      TELEFAX:  (415) 857-0663
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-424-991B-7

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTCCACGA 672
              |||  ||||| ||||||  ||
Db         20 GAGCCCCTGGTGCTCCATGA 1


RESULT 1878
US-08-424-991B-8/c
; Sequence 8, Application US/08424991B
; Patent No. 6323184
; GENERAL INFORMATION:
;    APPLICANT:  Yi Shi and Andrew Zalewski
;    TITLE OF INVENTION:  Arteriovenous and Venous Graft
;    TITLE OF INVENTION:  Treatments:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  John D. Mendlein, Ph.D.
;       STREET:  Five Palo Alto Square
;       CITY:  Palo Alto
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94306
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5 inch diskette
;       COMPUTER:  IBM compatible
;       OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;       SOFTWARE:  Microsoft Word for Windows, vers.
;       SOFTWARE:  2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/424,991B
;       FILING DATE:
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  PCT Application US94/11853
;       FILING DATE:  October 17, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  John D. Mendlein, Ph.D.
;       REGISTRATION NUMBER:  38,770
;       REFERENCE/DOCKET NUMBER:  LYNX-014/02US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 843-5020
;       TELEFAX:  (415) 857-0663
;   INFORMATION FOR SEQ ID NO:  8:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20  nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-424-991B-8

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTCCACGA 672
              |||  ||||| |||||| ||
Db         20 GAGCCCCTGGTGCTCCATGA 1


RESULT 1879
US-09-716-161A-55
; Sequence 55, Application US/09716161A
; Patent No. 6355482
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN BETA 4 BINDING PROTEIN EXPRESSIC
;  FILE REFERENCE: RTS-0176
;  CURRENT APPLICATION NUMBER: US/09/716,161A
;  CURRENT FILING DATE:  2000-11-07
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 55
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-716-161A-55

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        351 CTCCCTACCAGCAGCTGGCC 370
              || ||||| |||| |||| |
Db          1 CTTCCTACTAGCACCTGGTC 20


RESULT 1880
US-09-629-645A-37
; Sequence 37, Application US/09629645A
; Patent No. 6365354
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF LYSOPHOSPHOLIPASE I EXPRESSION
;  FILE REFERENCE: RTS-0137
;  CURRENT APPLICATION NUMBER: US/09/629,645A
;  CURRENT FILING DATE:  2000-07-31
;  NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 37
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-645A-37

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1782 GAACCCCATTCTTTCCTTCT 1801
              |||  |||||||  |||||
Db          1 GAATGCCATTCTTCACTTCT 20


RESULT 1881
US-09-629-645A-71/c
; Sequence 71, Application US/09629645A
; Patent No. 6365354
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF LYSOPHOSPHOLIPASE I EXPRESSION
;  FILE REFERENCE: RTS-0137
;  CURRENT APPLICATION NUMBER: US/09/629,645A
;  CURRENT FILING DATE:  2000-07-31
;  NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 71
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-645A-71

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2344 CCGTGGAGGTTCTGTATTTT 2363
              || || ||  ||||||||||
Db         20 CCATGCAGTGTCTGTATTTT 1


RESULT 1882
US-09-629-645A-85
; Sequence 85, Application US/09629645A
; Patent No. 6365354
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF LYSOPHOSPHOLIPASE I EXPRESSION
;  FILE REFERENCE: RTS-0137
;  CURRENT APPLICATION NUMBER: US/09/629,645A
;  CURRENT FILING DATE:  2000-07-31
;  NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 85
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
```

```
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-645A-85

  Query Match              0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2512 CATAAGGTTTTATTCATATA 2531
              |||||| || | |||| |||
Db          1 CATAAGTTTGTTTTCAAATA 20


RESULT 1883
US-09-588-950A-6
; Sequence 6, Application US/09588950A
; Patent No. 6399305
; GENERAL INFORMATION:
;  APPLICANT: Makino, Yoshihiko
;  APPLICANT:  Abe, Yoshihiko
;  APPLICANT:  Ogawa, Masashi
;  APPLICANT:  Takagi, Makoto
;  APPLICANT:  Takenaka, Shigeori
;  APPLICANT:  Yamashita, Kenichi
;  TITLE OF INVENTION: Protection of Partial Complementary Nucleic Acid Fragment Using a
;  TITLE OF INVENTION:  Electroconductive Chip and Intercalator
;  FILE REFERENCE: JG-YY-4980/500569.20039
;  CURRENT APPLICATION NUMBER: US/09/588,950A
;  CURRENT FILING DATE:  2000-06-07
;  PRIOR APPLICATION NUMBER: Japan 11-159339
;  PRIOR FILING DATE: 1999-06-07
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthesized
US-09-588-950A-6

  Query Match              0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
              ||||||||    ||||||||
Db          1 TTTTTTTTAAAATTTTTTTT 20


RESULT 1884
US-09-798-096-63/c
; Sequence 63, Application US/09798096
; Patent No. 6399378
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL2 EXPRESSION
;  FILE REFERENCE: RTS-0207
;  CURRENT APPLICATION NUMBER: US/09/798,096
;  CURRENT FILING DATE:  2001-03-01
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 63
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-798-096-63

  Query Match              0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1366 TGGCAGCCAGGCCATCTGTG 1385
              |||| | ||||  |||||||
Db         20 TGGCTGTCAGGTTATCTGTG 1


RESULT 1885
US-09-724-426-26
; Sequence 26, Application US/09724426
; Patent No. 6414134
; GENERAL INFORMATION:
;  APPLICANT: Reed, John
;  TITLE OF INVENTION: Regulation of BCL-2 Gene Expression
;  FILE REFERENCE: 10412-024
;  CURRENT APPLICATION NUMBER: US/09/724,426
;  CURRENT FILING DATE:  2000-11-28
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-724-426-26

  Query Match              0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy         49 GCGCGGCGGGGGCGGCGGCA 68
              |||||||||| | |  ||||
Db          1 GCGCGGCGGGCGGGCGGGCA 20


RESULT 1886
US-09-295-593-17
; Sequence 17, Application US/09295593
; Patent No. 6417169
; GENERAL INFORMATION:
;  APPLICANT: WRIGHT, Jim A.
;  APPLICANT: YOUNG, Aiping H.
;  APPLICANT: LEE, Yoon S.
;  TITLE OF INVENTION: INSULIN-LIKE GROWTH FACTOR II ANTISENSE OLIGONUCLEOTIDE
;  TITLE OF INVENTION: SEQUENCES AND METHODS OF USING SAME TO MODULATE CELL
;  TITLE OF INVENTION: GROWTH
;  FILE REFERENCE: 032396-046
;  CURRENT APPLICATION NUMBER: US/09/295,593
;  CURRENT FILING DATE: 1999-04-22
;  EARLIER APPLICATION NUMBER: US 60/082,791
;  EARLIER FILING DATE: 1998-04-23
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Human
US-09-295-593-17

  Query Match              0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        251 GTCCCCCACCTCTCCTCCGC 270
              |||| ||| ||| || ||||
Db          1 GTCCACCAGCTCCCCGCCGC 20


RESULT 1887
US-09-742-703-49
; Sequence 49, Application US/09742703
; Patent No. 6423543
; GENERAL INFORMATION:
;  APPLICANT:  Patrick Allen Marcotte
;  APPLICANT:  Lex M. Cowsert
```

```
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF HEPSIN EXPRESSION
;  FILE REFERENCE:  RTS-0090
;  CURRENT APPLICATION NUMBER: US/09/742,703
;  CURRENT FILING DATE:  2000-12-20
;  NUMBER OF SEQ ID NOS:  49
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-742-703-49

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1627 ACCTACCTTACTATTTAAAG 1646
              ||| | ||| |||||||||
Db          1 ACCATCTTTATTATTTAAAG 20


RESULT 1888
US-09-331-851-1
; Sequence 1, Application US/09331851
; Patent No. 6428781
; GENERAL INFORMATION:
;  APPLICANT: SAKANO, Katsuichi
;  APPLICANT: HIGASHIHASHI, No. 6428781uyuki
;  APPLICANT: HASHIMOTO, Ryuji
;  TITLE OF INVENTION: Method for Elevating the Concentration of Free
;  TITLE OF INVENTION: Insulin-Like Growth Factor
;  FILE REFERENCE: Q54313
;  CURRENT APPLICATION NUMBER: US/09/331,851
;  CURRENT FILING DATE: 1999-06-28
;  EARLIER APPLICATION NUMBER: JP P1996-349968
;  EARLIER FILING DATE: 1996-12-27
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Rattus norvegicus
;   FEATURE:
;   NAME/KEY: STS
;   LOCATION: (1)..(20)
;   OTHER INFORMATION: One of PCR primers for cloning of the 5' end of
;   OTHER INFORMATION: IGFBP-3 gene from rat pancreas cDNA library
;   OTHER INFORMATION: The Sequence is described at page 38, line 19
; Patent No. 6428781
;   OTHER INFORMATION: of the specification.
;  PUBLICATION INFORMATION:
;   AUTHORS: Shimasaki, S.
;   JOURNAL: Biochem. Biophys. Res. Commun.
;   VOLUME: 165
;   PAGES: 907-
;   DATE: 1989
US-09-331-851-1

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        628 CGCCCTGGATGCCGCGGGCC 647
              |||| || || ||||| |||
Db          1 CGCCATGCATCCCGCGCGCC 20


RESULT 1889
US-09-191-170-99
; Sequence 99, Application US/09191170
; Patent No. 6429199
; GENERAL INFORMATION:
;  APPLICANT: Krieg, Arthur M.
;  APPLICANT: Hartmann, Gunther
;  TITLE OF INVENTION: Immunostimulatory Nucleic Acid Molecules
;  TITLE OF INVENTION: for Activating Dendritic Cells
;  FILE REFERENCE: C1039/7017
;  CURRENT APPLICATION NUMBER: US/09/191,170
;  CURRENT FILING DATE: 1998-11-13
;  EARLIER APPLICATION NUMBER: US 08/960,774
;  EARLIER FILING DATE: 1997-10-30
;  EARLIER APPLICATION NUMBER: US 08/738,652
;  EARLIER FILING DATE: 1996-10-30
;  EARLIER APPLICATION NUMBER: US 08/386,063
;  EARLIER FILING DATE: 1995-02-07
;  EARLIER APPLICATION NUMBER: US 08/276,358
;  EARLIER FILING DATE: 1994-07-15
;  NUMBER OF SEQ ID NOS: 99
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 99
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-191-170-99

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1966 AATATTTACCTTGAAAAAAA 1985
              || ||  || ||||||||||
Db          1 AAAATCAACGTTGAAAAAAA 20


RESULT 1890
US-09-920-672-34/c
; Sequence 34, Application US/09920672
; Patent No. 6455308
; GENERAL INFORMATION:
;  APPLICANT: Mark J. Graham
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SERUM AMYLOID A4 EXPRESSION
;  FILE REFERENCE: RTS-0251
;  CURRENT APPLICATION NUMBER: US/09/920,672
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 34
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-920-672-34

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1390 GGTGTCTGCCCTGCAGAACT 1409
              ||||||||  ||||  ||||
Db         20 GGTGTCTGGGCTGCTAAACT 1


RESULT 1891
US-09-657-453A-81
; Sequence 81, Application US/09657453A
; Patent No. 6458591
; GENERAL INFORMATION:
;  APPLICANT:      Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PHOSPHORYLASE KINASE ALPHA 2 EXPRESS
;  FILE REFERENCE:      RTS-0136
;  CURRENT APPLICATION NUMBER: US/09/657,453A
```

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;  CURRENT FILING DATE:  2000-09-07
;  NUMBER OF SEQ ID NOS:      105
; SEQ ID NO 81
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-657-453A-81

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2455 CATGGGATCCAATTTTAATA 2474
              ||||||| ||| ||| || |
Db          1 CATGGGAGCCATTTTAAACA 20


RESULT 1892
US-09-806-254-14/c
; Sequence 14, Application US/09806254
; Patent No. 6458838
; GENERAL INFORMATION:
;  APPLICANT: The Johns Hopkins University School of Medicine
;  TITLE OF INVENTION: Adrenoleukodystrophy Treatments and
;  TITLE OF INVENTION:  Drug Screening
;  FILE REFERENCE: 01107.83615
;  CURRENT APPLICATION NUMBER: US/09/806,254
;  CURRENT FILING DATE:  2001-03-28
;  PRIOR APPLICATION NUMBER: US 60/102,186
;  PRIOR FILING DATE: 1998-09-28
;  NUMBER OF SEQ ID NOS: 30
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-806-254-14

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        793 TCAGAAGGAGCTGGTGGGGG 812
              |||| || |||||| ||| |
Db         20 TCAGGAGAAGCTGGAGGGAG 1


RESULT 1893
US-09-920-668-22/c
; Sequence 22, Application US/09920668
; Patent No. 6482644
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Brett P. Monia
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 8 EXPRESSION
;  FILE REFERENCE: RTS-0246
;  CURRENT APPLICATION NUMBER: US/09/920,668
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 22
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-920-668-22

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        532 CGGCCTACTGCCCCACCTCT 551
              | || | ||||| |||||||
Db         20 CCGCATCCTGCCTCACCTCT 1


RESULT 1894
US-09-920-668-34/c
; Sequence 34, Application US/09920668
; Patent No. 6482644
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Brett P. Monia
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 8 EXPRESSION
;  FILE REFERENCE: RTS-0246
;  CURRENT APPLICATION NUMBER: US/09/920,668
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 34
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-920-668-34

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        247 GCGGGTCCCCCACCTCTCCT 266
              ||| | ||  ||||||||||
Db         20 GCGCGGCCTGCACCTCTCCT 1


RESULT 1895
US-09-629-644A-23/c
; Sequence 23, Application US/09629644A
; Patent No. 6492345
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-23

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        903 AAGTACAGAGGCGACTGTCC 922
              | |||||||| || | ||||
Db         20 AGGTACAGAGACGTCAGTCC 1


RESULT 1896
US-09-629-644A-23/c
; Sequence 23, Application US/09629644A
; Patent No. 6602857
```

```
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-23

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        903 AAGTACAGAGGCGACTGTCC 922
              | ||||||||| || | ||||
Db         20 AGGTACAGAGACGTCAGTCC 1


RESULT 1897
US-09-629-644A-183/c
; Sequence 183, Application US/09629644A
; Patent No. 6492345
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 183
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-183

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1590 ACTGGGAACCCCTCCTGGCC 1609
              ||||| | ||| |||||| |
Db         20 ACTGGAAGCCCTTCCTGGTC 1


RESULT 1898
US-09-266-965-89/c
; Sequence 89, Application US/09266965
; Patent No. 6495348
; GENERAL INFORMATION:
;  APPLICANT: Sherman, D
;  APPLICANT: Mao, Y
;  APPLICANT: Varoglu, M
;  APPLICANT: He, M
;  APPLICANT: Sheldon, P
;  TITLE OF INVENTION: Mitomycin biosynthetic gene cluster
;  FILE REFERENCE: 600.456US1
;  CURRENT APPLICATION NUMBER: US/09/266,965
;  CURRENT FILING DATE: 1999-03-12
;  EARLIER APPLICATION NUMBER: US 08/624,447
;  EARLIER FILING DATE: 1996-08-19
;  EARLIER APPLICATION NUMBER: PCT/US94/11279
;  EARLIER FILING DATE: 1994-10-06
;  EARLIER APPLICATION NUMBER: US 08/133,963
;  EARLIER FILING DATE: 1993-10-07
;  NUMBER OF SEQ ID NOS: 145
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 89
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Amycolatopsis mediterranei
US-09-266-965-89

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        507 TGCCCTCGCACCACGGGCGC 526
              ||| | |||| ||||| |||
Db         20 TGCGCGCGCAGCACGGACGC 1


RESULT 1899
US-09-266-965-90
; Sequence 90, Application US/09266965
; Patent No. 6495348
; GENERAL INFORMATION:
;  APPLICANT: Sherman, D
;  APPLICANT: Mao, Y
;  APPLICANT: Varoglu, M
;  APPLICANT: He, M
;  APPLICANT: Sheldon, P
;  TITLE OF INVENTION: Mitomycin biosynthetic gene cluster
;  FILE REFERENCE: 600.456US1
;  CURRENT APPLICATION NUMBER: US/09/266,965
;  CURRENT FILING DATE: 1999-03-12
;  EARLIER APPLICATION NUMBER: US 08/624,447
;  EARLIER FILING DATE: 1996-08-19
;  EARLIER APPLICATION NUMBER: PCT/US94/11279
;  EARLIER FILING DATE: 1994-10-06
;  EARLIER APPLICATION NUMBER: US 08/133,963
;  EARLIER FILING DATE: 1993-10-07
;  NUMBER OF SEQ ID NOS: 145
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 90
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Amycolatopsis mediterranei
US-09-266-965-90

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        507 TGCCCTCGCACCACGGGCGC 526
              ||| | |||| ||||| |||
Db          1 TGCGCGCGCAGCACGGACGC 20


RESULT 1900
US-09-579-791-2/c
; Sequence 2, Application US/09579791
; Patent No. 6511800
; GENERAL INFORMATION:
;  APPLICANT: SINGH, INDERJIT
```

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;  TITLE OF INVENTION: METHODS OF TREATING NITRIC OXIDE AND CYTOKINE MEDIATED DISORDERS
;  FILE REFERENCE: MESC:002US
;  CURRENT APPLICATION NUMBER: US/09/579,791
;  CURRENT FILING DATE:  2000-05-25
;  PRIOR APPLICATION NUMBER: PCT/US98/25360
;  PRIOR FILING DATE: 1998-11-24
;  PRIOR APPLICATION NUMBER: 60/066,839
;  PRIOR FILING DATE: 1997-11-25
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Primer
US-09-579-791-2

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1482 ACAAAACCCTGGAGAAAATG 1501
              |||| | ||||||| || ||
Db         20 ACAACATCCTGGAGGAAGTG 1


RESULT 1901
US-09-422-978-5752
; Sequence 5752, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5752
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-6613 for SEQ 1818,
US-09-422-978-5752

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1535 AGGTTAGGAGAGTAGGGAAG 1554
              || | ||||| | |||||||
Db          1 AGATGAGGAGTGGAGGGAAG 20


RESULT 1902
US-09-422-978-8908
; Sequence 8908, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8908
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-1997 for SEQ 1043, in compleme
US-09-422-978-8908

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        970 AGCCAAATCGAAAAATGGAG 989
              |||||||| | |||| |||
Db          1 AGCCAAATGAACAAATAGAG 20


RESULT 1903
US-09-422-978-9924
; Sequence 9924, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9924
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-8289 for SEQ 2059, in compleme
US-09-422-978-9924

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1493 GAGAAAATGGAGAAACACAG 1512
              || | || ||||| ||||||
Db          1 GATATAAAGGAGATACACAG 20


RESULT 1904
US-09-422-978-10846/c
; Sequence 10846, Application US/09422978
; Patent No. 6537751
```

```
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10846
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-21377 for SEQ 2981, in complem
US-09-422-978-10846

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2124 GAAACTTGTAGAAACGAAGC 2143
                ||||||   || |||||||||
Db         20 GAAACCACTATAAACGAAGC 1


RESULT 1905
US-09-230-652-116/c
; Sequence 116, Application US/09230652A
; Patent No. 6537775
; GENERAL INFORMATION:
;  APPLICANT: Tournier-Lasserve, Elisabeth
;  APPLICANT: Joutel, Anne
;  APPLICANT: Bousser, Marie-Germaine
;  APPLICANT: Bach, Jean-Francois
;  TITLE OF INVENTION: GENE INVOLVED IN CADASIL, METHOD OF DIAGNOSIS AND
;  TITLE OF INVENTION: THERAPEUTIC APPLICATION
;  FILE REFERENCE: 03715.0048-00000
;  CURRENT APPLICATION NUMBER: US/09/230,652A
;  CURRENT FILING DATE: 1999-05-17
;  EARLIER APPLICATION NUMBER: FR 96 09733
;  EARLIER FILING DATE: 1996-08-01
;  EARLIER APPLICATION NUMBER: FR 97 04680
;  EARLIER FILING DATE: 1997-04-16
;  EARLIER APPLICATION NUMBER: PCT/FR97/01433
;  EARLIER FILING DATE: 1997-07-31
;  NUMBER OF SEQ ID NOS: 163
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 116
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-230-652-116

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1540 AGGAGAGTAGGGAAGGAACA 1559
                ||||||||  |   |||||||
Db         20 AGGAGAGTGGCACAGGAACA 1


RESULT 1906
US-08-894-454-66/c
; Sequence 66, Application US/08894454
; Patent No. 6544784
;  GENERAL INFORMATION:
;    APPLICANT:  VAN DEN VEN, W.J.M.
;    APPLICANT:  SCHOENMAKERS, H.F.P.M.
;    TITLE OF INVENTION:  MULTIPLE-TUMOR ABERRENT GROWTH
;    TITLE OF INVENTION:  GENES
;    NUMBER OF SEQUENCES:  164
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  The Webb Law Firm
;      STREET:  700 Koppers Building, 436 Seventh Avenue
;      CITY:  Pittsburgh
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  15219-1818
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/894,454
;      FILING DATE:  15-AUG-1997
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP/00716
;      FILING DATE:  19-FEB-1996
;      APPLICATION NUMBER:  95200390.3
;      FILING DATE:  17-FEB-1995
;      APPLICATION NUMBER:  95201951.1
;      FILING DATE:  14-JUL-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Johnson, Barbara E
;      REGISTRATION NUMBER:  31,198
;      REFERENCE/DOCKET NUMBER:  702-971100
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  412-471-8815
;      TELEFAX:  412-471-4094
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  66:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-894-454-66

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2672 CAGTGTGTGTGGGTGAAATG 2691
                || |||||||||  ||| |||
Db         20 CATTGTGTGTGCCTGAGATG 1


RESULT 1907
US-09-198-452A-1578
; Sequence 1578, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1578
;   LENGTH: 20
```

```
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-1578

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        903 AAGTACAGAGGCGACTGTCC 922
              ||| || ||||||| | |||
Db          1 AAGAACGGAGGCGATTATCC 20


RESULT 1908
US-09-198-452A-2361/c
; Sequence 2361, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2361
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2361

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1114 CTTTGCCTATGTCTGTGAAG 1133
              ||||||||||    ||||||
Db         20 CTTTGCCTATAGGGGTGAAG 1


RESULT 1909
US-09-198-452A-4000/c
; Sequence 4000, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4000
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-4000

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1310 TTGGAGACGAACATACAGAA 1329
              |||  | ||||| |||||||
Db         20 TTGCTGCCGAACCTACAGAA 1


RESULT 1910
US-09-198-452A-4383/c
; Sequence 4383, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prev
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4383
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-4383

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1114 CTTTGCCTATGTCTGTGAAG 1133
              |||| ||||||| || | ||
Db         20 CTTTCCCTATGTATGGGGAG 1


RESULT 1911
US-09-454-495-6
; Sequence 6, Application US/09454495
; Patent No. 6576759
; GENERAL INFORMATION:
;  APPLICANT:  Reddy, Gurucharan
;  APPLICANT:  Zeng, Hong
;  APPLICANT:  Vallerga, Anne
;  APPLICANT:  Zarling, David A.
;  TITLE OF INVENTION:  NOVEL ANTISENSE INHIBITION OF RAD51
;  FILE REFERENCE:  A-67649-1/RMS/DAV/JJD
;  CURRENT APPLICATION NUMBER: US/09/454,495
;  CURRENT FILING DATE:  1999-12-06
;  PRIOR APPLICATION NUMBER:  60/119,578
;  PRIOR FILING DATE:  1999-02-10
;  NUMBER OF SEQ ID NOS:  10
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic.
US-09-454-495-6

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        563 GCGGGCGCGGTGAGCGCCCG 582
              ||||||| ||   |||||||
Db          1 GCGGGCGTGGCACGCGCCCG 20


RESULT 1912
US-09-823-634A-8
; Sequence 8, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
```

```
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02008
US-09-823-634A-8

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              |||||||    |||||||||
Db          1 TTTTTTTAAAATTTTTTTTT 20


RESULT 1913
US-09-823-634A-9
; Sequence 9, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02012
US-09-823-634A-9

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              |||||||    |||||||||
Db          1 TTTTTTTAAAATTTTTTTTT 20


RESULT 1914
US-09-823-634A-10
; Sequence 10, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02013
US-09-823-634A-10

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              |||||||    |||||||||
Db          1 TTTTTTTAAAATTTTTTTTT 20


RESULT 1915
US-09-823-634A-11
; Sequence 11, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02014
US-09-823-634A-11

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              |||||||    |||||||||
Db          1 TTTTTTTAAAATTTTTTTTT 20


RESULT 1916
US-09-823-634A-12/c
; Sequence 12, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Complement DNA oligo AGT02009
US-09-823-634A-12

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              |||||||    |||||||||
Db         20 TTTTTTTAAAATTTTTTTTT 1


RESULT 1917
US-09-823-634A-14/c
; Sequence 14, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
```

```
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02021
US-09-823-634A-14

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |||||||||
Db         20 TTTTTTTACAATTTTTTTTT 1


RESULT 1918
US-09-823-634A-17/c
; Sequence 17, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02024
US-09-823-634A-17

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |||||||||
Db         20 TTTTTTTAGAATTTTTTTTT 1


RESULT 1919
US-09-823-647B-8
; Sequence 8, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02008
US-09-823-647B-8

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |||||||||
Db         1 TTTTTTTAAAATTTTTTTTT 20


RESULT 1920
US-09-823-647B-9
; Sequence 9, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02012
US-09-823-647B-9

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |||||||||
Db         1 TTTTTTTAAAATTTTTTTTT 20


RESULT 1921
US-09-823-647B-10
; Sequence 10, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02013
US-09-823-647B-10
```

Query Match 0.5%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 2.4e+03;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |||||||||
Db          1 TTTTTTTAAAATTTTTTTTT 20
```

RESULT 1922
US-09-823-647B-11
; Sequence 11, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
; APPLICANT: Applied Gene Technologies, Inc.
; APPLICANT: Dattagupta, Nanibhushan
; TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 47541-20004.20
; CURRENT APPLICATION NUMBER: US/09/823,647B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/616,761
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide AGT02014
US-09-823-647B-11

Query Match 0.5%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 2.4e+03;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |||||||||
Db          1 TTTTTTTAAAATTTTTTTTT 20
```

RESULT 1923
US-09-823-647B-12/c
; Sequence 12, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
; APPLICANT: Applied Gene Technologies, Inc.
; APPLICANT: Dattagupta, Nanibhushan
; TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 47541-20004.20
; CURRENT APPLICATION NUMBER: US/09/823,647B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/616,761
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Complement DNA oligo AGT02009
US-09-823-647B-12

Query Match 0.5%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 2.4e+03;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |||||||||
Db         20 TTTTTTTAAAATTTTTTTTT 1
```

RESULT 1924
US-09-823-647B-14/c
; Sequence 14, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
; APPLICANT: Applied Gene Technologies, Inc.
; APPLICANT: Dattagupta, Nanibhushan
; TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 47541-20004.20
; CURRENT APPLICATION NUMBER: US/09/823,647B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/616,761
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligo AGT02021
US-09-823-647B-14

Query Match 0.5%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 2.4e+03;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |||||||||
Db         20 TTTTTTTACAATTTTTTTTT 1
```

RESULT 1925
US-09-823-647B-17/c
; Sequence 17, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
; APPLICANT: Applied Gene Technologies, Inc.
; APPLICANT: Dattagupta, Nanibhushan
; TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 47541-20004.20
; CURRENT APPLICATION NUMBER: US/09/823,647B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: US 09/616,761
; PRIOR FILING DATE: 2000-07-14
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligo AGT02024
US-09-823-647B-17

Query Match 0.5%; Score 13.6; DB 1; Length 20;
Best Local Similarity 80.0%; Pred. No. 2.4e+03;
Matches 16; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy       2155 TTTTTTTCTCCTTTTTTTTT 2174
              ||||||| |||||||||
Db         20 TTTTTTTAGAATTTTTTTTT 1
```

RESULT 1926
US-09-780-045-51/c
; Sequence 51, Application US/09780045
; Patent No. 6602713
; GENERAL INFORMATION:

```
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT E
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0130
;  CURRENT APPLICATION NUMBER: US/09/780,045
;  CURRENT FILING DATE:  2001-02-09
;  NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-045-51

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1070 CTGACATCCTTAGTAGAAGG 1089
              || ||| | |||||||| ||
Db         20 CTTACAGCTTTAGTAGATGG 1


RESULT 1927
US-09-780-045-84/c
; Sequence 84, Application US/09780045
; Patent No. 6602713
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT E
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0130
;  CURRENT APPLICATION NUMBER: US/09/780,045
;  CURRENT FILING DATE:  2001-02-09
;  NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 84
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-045-84

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1765 TTAAGCTTTTTTTTTTGAA 1784
              |||  |||| |||| |||||
Db         20 TTATCCTTTATTTTATTGAA 1


RESULT 1928
US-09-465-589A-5
; Sequence 5, Application US/09465589A
; Patent No. 6610481
; GENERAL INFORMATION:
;  APPLICANT: KOCH, Jorn E.
;  TITLE OF INVENTION: A CASCADE NUCLEIC ACID AMPLIFICATION REACTION
;  FILE REFERENCE: 4305/1E293-US2
;  CURRENT APPLICATION NUMBER: US/09/465,589A
;  CURRENT FILING DATE:  1999-12-17
;  PRIOR APPLICATION NUMBER: US 09/091,146
;  PRIOR FILING DATE: 1998-06-04
;  PRIOR APPLICATION NUMBER: PCT/DK96/00513
;  PRIOR FILING DATE: 1996-12-05
;  PRIOR APPLICATION NUMBER: DK 1379/95
;  PRIOR FILING DATE: 1995-12-05
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide
US-09-465-589A-5

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAAA 2804
              |||| ||| ||| ||| |||
Db          1 GAAAGAAAGAAAGAAAGAAA 20


RESULT 1929
US-09-465-589A-6/c
; Sequence 6, Application US/09465589A
; Patent No. 6610481
; GENERAL INFORMATION:
;  APPLICANT: KOCH, Jorn E.
;  TITLE OF INVENTION: A CASCADE NUCLEIC ACID AMPLIFICATION REACTION
;  FILE REFERENCE: 4305/1E293-US2
;  CURRENT APPLICATION NUMBER: US/09/465,589A
;  CURRENT FILING DATE:  1999-12-17
;  PRIOR APPLICATION NUMBER: US 09/091,146
;  PRIOR FILING DATE: 1998-06-04
;  PRIOR APPLICATION NUMBER: PCT/DK96/00513
;  PRIOR FILING DATE: 1996-12-05
;  PRIOR APPLICATION NUMBER: DK 1379/95
;  PRIOR FILING DATE: 1995-12-05
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide
US-09-465-589A-6

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAAA 2804
              |||| ||| ||| ||| |||
Db         20 GAAAGAAAGAAAGAAAGAAA 1


RESULT 1930
US-09-665-615B-67
; Sequence 67, Application US/09665615B
; Patent No. 6653133
; GENERAL INFORMATION:
;  APPLICANT: Dean, Nicholas M.
;  APPLICANT:  Marcusson, Eric G.
;  APPLICANT:  Wyatt, Jacqueline
;  TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
;  FILE REFERENCE: ISPH-0502
;  CURRENT APPLICATION NUMBER: US/09/665,615B
;  CURRENT FILING DATE:  2000-09-18
;  PRIOR APPLICATION NUMBER: US 09/290,640
;  PRIOR FILING DATE: 1999-04-12
;  NUMBER OF SEQ ID NOS: 179
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 67
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

```
;   OTHER INFORMATION: Synthetic Sequence
US-09-665-615B-67

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        231 GCAGCAATGGGAATCCGCGG 250
              ||||||| || || | ||||
Db          1 GCAGCAAGGGAAAACAGCGG 20


RESULT 1931
US-09-495-714C-76
; Sequence 76, Application US/09495714C
; Patent No. 6670465
; GENERAL INFORMATION:
;  APPLICANT: University Technologies International Inc.
;  TITLE OF INVENTION: RETINAL CALCIUM CHANNEL (ALPHA) 1F-SUBUNIT GENE
;  FILE REFERENCE: 45499.4 (formerly 45074.6)
;  CURRENT APPLICATION NUMBER: US/09/495,714C
;  CURRENT FILING DATE:  2000-02-01
;  NUMBER OF SEQ ID NOS: 138
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 76
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-495-714C-76

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2546 AGAATTAAGAGGATGCTGGG 2565
              ||||  || |||| ||||||
Db          1 AGAAGGAATAGGAGGCTGGG 20


RESULT 1932
US-09-914-272A-6/c
; Sequence 6, Application US/09914272A
; Patent No. 6673913
; GENERAL INFORMATION:
;  APPLICANT: Sakaguchi, No. 6673913uo
;  APPLICANT:  Kuwahara, Kazuhiko
;  TITLE OF INVENTION: GANP Protein
;  FILE REFERENCE: 050208-0014
;  CURRENT APPLICATION NUMBER: US/09/914,272A
;  CURRENT FILING DATE:  2001-08-24
;  PRIOR APPLICATION NUMBER: PCT/JP99/04634
;  PRIOR FILING DATE: 1999-08-27
;  PRIOR APPLICATION NUMBER: 47035/1999
;  PRIOR FILING DATE: 1999-02-24
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Reverse Primer
US-09-914-272A-6

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        999 TGCGGGAGAAGTTGGACAAG 1018
              ||| ||||| | |||||| |
Db         20 TGCTGGAGATGGTGGACATG 1


RESULT 1933
PCT-US94-00265-10/c
; Sequence 10, Application PC/TUS9400265
;  GENERAL INFORMATION:
;    APPLICANT:  Thomas Jefferson University
;    TITLE OF INVENTION:  ANTISENSE INHIBITION OF
;    TITLE OF INVENTION:  C-MYC TO MODULATE THE PROLIFERATION
;    TITLE OF INVENTION:  OF SMOOTH MUSCLE CELLS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seidel, Gonda, Lavorgna
;      ADDRESSEE:  & Monaco, P.C.
;      STREET:  Two Penn Center, Suite 1800
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH 720 Kb
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS/DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/00265
;      FILING DATE:  herewith
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  004,799
;      FILING DATE:  January 7, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Daniel A. Monaco
;      REGISTRATION NUMBER:  30,480
;      REFERENCE/DOCKET NUMBER:  8321-9
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-8383
;      TELEFAX:  (215) 568-5549
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
PCT-US94-00265-10

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTCCACGA 672
              |||  ||||| |||||| ||
Db         20 GAGCCCCTGGTGCTCCATGA 1


RESULT 1934
PCT-US96-09388-64/c
; Sequence 64, Application PC/TUS9609388
;  GENERAL INFORMATION:
;    APPLICANT:  Smith, Larry J.
;    TITLE OF INVENTION:  Therapeutic Oligonucleotides
;    TITLE OF INVENTION:  Targeting the Human MDR1 and MRP Genes
;    NUMBER OF SEQUENCES:  114
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street  Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

```
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/09388
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/379,180
;      FILING DATE:  12-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;      REFERENCE/DOCKET NUMBER:  63082C
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)563-4100
;      TELEFAX:  (215)563-4044
;  INFORMATION FOR SEQ ID NO:  64:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
PCT-US96-09388-64

  Query Match              0.5%;  Score 13.6;  DB 1;  Length 20;
  Best Local Similarity   80.0%;  Pred. No. 2.4e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATCAACCCCC 434
              ||||||| ||||| ||| |
Db         20 CGCCGCCATCATCATCCCGC 1


RESULT 1935
US-08-173-489C-65/c
; Sequence 65, Application US/08173489C
; Patent No. 5861244
;  GENERAL INFORMATION:
;    APPLICANT:  WANG, C. -G.
;    APPLICANT:  HEPBURN, A. G.
;    TITLE OF INVENTION:  GENETIC SEQUENCE ASSAY USING DNA
;    TITLE OF INVENTION:  TRIPLE-STRAND FORMATION.
;    NUMBER OF SEQUENCES:  365
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  PROFILE DIAGNOSTIC SCIENCES, INC.,
;      STREET:  510 EAST 73RD STREET,
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10021.
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44Mb storage
;      COMPUTER:  IBM PC/XT/AT
;      OPERATING SYSTEM:  MS-DOS version 6.2
;      SOFTWARE:  Wordperfect Version 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/173,489C
;      FILING DATE:  22 DEC 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/968,436
;      FILING DATE:  29 OCT 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Handelman, Joseph H.
;      REGISTRATION NUMBER:  26,179
;      REFERENCE/DOCKET NUMBER:  U9518-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (attorney) (212) 708-1880
;      TELEFAX:  (attorney) (212) 246-8959
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  double stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;      DESCRIPTION:  gamma-crystallin gene exon 3
;      DESCRIPTION:  (Accession # K03006) nucleotides 9 to 30
;    HYPOTHETICAL:  No
;    ANTI-SENSE:  No
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;    POSITION IN GENOME:
;      CHROMOSOME/SEGMENT:  chromosome 2
;      MAP POSITION:  2q33-q35
;    PUBLICATION INFORMATION:
;      AUTHORS:  Meakin, S O,  Breitman, M L,  Tsui, L C.
;      TITLE:  Structural and evolutionary
;      TITLE:  relationships among five members of the human
;      TITLE:  gamma-crystallin gene family
;      JOURNAL:  Molecular and Cellular Biology
;      VOLUME:  5
;      PAGES:  1408-1414
;      DATE:  1985
;      RELEVANT RESIDUES IN SEQ ID NO:  65 :FROM 1 TO 22
US-08-173-489C-65

  Query Match              0.5%;  Score 13.6;  DB 1;  Length 22;
  Best Local Similarity   80.0%;  Pred. No. 2.8e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAAA 2804
              |||| ||||| | || ||||
Db         21 GAAATAAAAAGAGAAGAAAA 2


RESULT 1936
US-08-004-552-4/c
; Sequence 4, Application US/08004552
; Patent No. 5482836
;  GENERAL INFORMATION:
;    APPLICANT:  Cantor, Charles R.
;    APPLICANT:  Ito, Takashi
;    APPLICANT:  Smith, Cassandra L.
;    TITLE OF INVENTION:  DNA PURIFICATION BY TRIPLEX-AFFINITY
;    TITLE OF INVENTION:  CAPTURE AND AFFINITY CAPTURE ELECTROPHORESIS
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Karen S. Smith
;      STREET:  4 Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  CA 94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/004,552
;      FILING DATE:  19930114
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, Karen S.
;      REGISTRATION NUMBER:  31,426
;      REFERENCE/DOCKET NUMBER:  A-57666/KSS
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
```

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-004-552-4

  Query Match             0.5%;  Score 13.6;  DB 1;  Length 24;
  Best Local Similarity   80.0%;  Pred. No. 3.1e+03;
  Matches   16;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAAAA 2804
                ||||||  ||| || |||| |
Db         22 GAAAAAGAAAGAAGAAAAGA 3


RESULT 1937
US-08-292-620A-364
; Sequence 364, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  364:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-364

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   6.7%;  Pred. No. 1.2e+03;
  Matches    1;  Conservative   13;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2173 TTTTTTTTTTTTTTA 2187
                :::::::::::::  |
Db          1 UUUUUUUUUUUUUCA 15


RESULT 1938
US-08-832-021-21
; Sequence 21, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-21

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTAA 2188
                ||||||||||||  ||
Db          1 TTTTTTTTTTTTCAA 15


RESULT 1939
US-09-071-845-364
; Sequence 364, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
```

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;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  364:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-071-845-364

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   6.7%;  Pred. No. 1.2e+03;
  Matches    1;  Conservative   13;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2173 TTTTTTTTTTTTTTA 2187
              ::::::::::::::
Db          1 UUUUUUUUUUUUUCA 15


RESULT 1940
US-08-087-387-5
; Sequence 5, Application US/08087387
; Patent No. 5473060
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic andtherapeutic applic
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/087,387
;      FILING DATE:  19930702
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-087-387-5

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTCAC 15


RESULT 1941
US-08-455-627-5
; Sequence 5, Application US/08455627
; Patent No. 5571677
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-627-5

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTCAC 15


RESULT 1942
US-08-461-271-5
; Sequence 5, Application US/08461271
; Patent No. 5741643
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
```

```
;       CITY:  Foster City
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94404
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  5.25 inch diskette
;       COMPUTER:  IBM compatible
;       OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;       SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/461,271
;       FILING DATE:
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/087,387
;       FILING DATE:  2-Jul-93
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Stephen C. Macevicz
;       REGISTRATION NUMBER:  30,285
;       REFERENCE/DOCKET NUMBER:  104
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 358-7855
;       TELEFAX:  (415) 358-7794
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-461-271-5

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTCAC 15


RESULT 1943
US-08-713-685A-5
; Sequence 5, Application US/08713685A
; Patent No. 5817795
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/713,685A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/461,271
;      FILING DATE:
;      APPLICATION NUMBER:  08/087,387
;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-713-685A-5

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTCAC 15


RESULT 1944
US-08-689-856-5
; Sequence 5, Application US/08689856
; Patent No. 5830658
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Convergent Synthesis of Branched and Multiply
;    TITLE OF INVENTION:  Connected Macromolecular Structures
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square, 3000 El Camino Real
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306-2155
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/689,856
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,627
;      FILING DATE:  31-MAY-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nakamura, Jackie N.
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-003/01 US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-843-5000
;      TELEFAX:  415-857-0663
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-689-856-5

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTCAC 15
```

```
RESULT 1945
US-08-863-639A-8
; Sequence 8, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-8

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
              || ||||||||||||
Db          1 TTTAAAAAAAAAAAA 15


RESULT 1946
US-08-893-204C-2
; Sequence 2, Application US/08893204C
; Patent No. 6043044
;  GENERAL INFORMATION:
;    APPLICANT:  Hudson, Perry B.
;    APPLICANT:  Hakky, Said I.
;    APPLICANT:  Meyer-Siegler, Katherine
;    APPLICANT:  Hakki, A-Hamid
;    TITLE OF INVENTION:  DIAGNOSTIC AND PROGNOSTIC MARKER
;    TITLE OF INVENTION:  FOR METASTATIC ADEMOCARCINOMA
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rosenberg, Klein & Bilker
;      STREET:  3444 Ellicott Center Drive, Suite 105
;      CITY:  Ellicott City
;      STATE:  Maryland
;      COUNTRY:  U.S.A.
;      ZIP:  21043
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inches,
;      MEDIUM TYPE:  1.44Mb storage
;      COMPUTER:  IBM
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  WordPerfect for Windows 7.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/893,204C
;      FILING DATE:  7/15/97
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rosenberg, Morton
;      REGISTRATION NUMBER:  26,049
;      REFERENCE/DOCKET NUMBER:  MR2493-5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (410) 465-6678
;      TELEFAX:  (410) 461-3067
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:  yes
;    ANTI-SENSE:  no
;    ORIGINAL SOURCE:  synthetic
;    PUBLICATION INFORMATION:
;      AUTHORS:  Katherine Meyer-Siegler
;      AUTHORS:  Perry Hudson
;      TITLE:  Enhanced Expression of Macrophage Migration
;      TITLE:  Inhibitory Factor in Prostatic Adenocarcinoma Metastases
;      JOURNAL:  Urology
;      VOLUME:  48
;      ISSUE:  3
;      PAGES:  448-452
;      DATE:  1996
;      RELEVANT RESIDUES IN SEQ ID NO:  2: FROM 1 TO 15
US-08-893-204C-2

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              ||||||||||||||
Db          1 TTTTTTTTTTTTTCT 15


RESULT 1947
US-08-832-021-17/c
; Sequence 17, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-17

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
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```
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
              || |||||||||||
Db         15 TTTAAAAAAAAAAAA 1


RESULT 1948
US-08-832-021-20/c
; Sequence 20, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-20

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAA 2796
              ||| ||||||||||||
Db         15 ATTAAAAAAAAAAAA 1


RESULT 1949
US-08-832-021-22
; Sequence 22, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-22

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTCAC 15


RESULT 1950
US-08-832-021-25/c
; Sequence 25, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 25
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-25

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
              || |||||||||||
Db         15 TTCAAAAAAAAAAAA 1


RESULT 1951
US-09-070-477-5
; Sequence 5, Application US/09070477
; Patent No. 6048974
;  GENERAL INFORMATION:
;    APPLICANT:  Sergei M. Gryaznov
;    TITLE OF INVENTION:  Oligonucleotide clamps having diagnostic
;    TITLE OF INVENTION:  and therapeutic applications
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Stephen C. Macevicz, Lynx Therapeutics
;      STREET:  465 Lincoln Centre Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers. 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/070,477
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/713,685
;      FILING DATE:
;      APPLICATION NUMBER:  08/461,271
;      FILING DATE:
;      APPLICATION NUMBER:  08/087,387
;      FILING DATE:  2-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stephen C. Macevicz
;      REGISTRATION NUMBER:  30,285
;      REFERENCE/DOCKET NUMBER:  104
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 358-7855
;      TELEFAX:  (415) 358-7794
```

```
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-070-477-5

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTCAC 15


RESULT 1952
US-08-787-321-5
; Sequence 5, Application US/08787321A
; Patent No. 6180777
; GENERAL INFORMATION:
;  APPLICANT: Horn, Thomas
;  TITLE OF INVENTION: SYNTHESIS OF BRANCHED NUCLEIC ACIDS
;  FILE REFERENCE: (1300)-1199.002
;  CURRENT APPLICATION NUMBER: US/08/787,321A
;  CURRENT FILING DATE: 1997-01-03
;  EARLIER APPLICATION NUMBER: US PROV 60/009,918
;  EARLIER FILING DATE: 1996-01-12
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
US-08-787-321-5

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTCAC 15


RESULT 1953
US-08-041-599-2/c
; Sequence 2, Application US/08041599
; Patent No. 5393877
;  GENERAL INFORMATION:
;    APPLICANT:  McLEAN, MICHAEL J.
;    APPLICANT:  HOLLAND, DAVID
;    APPLICANT:  GARMAN, ANDREW J.
;    APPLICANT:  SHEPPARD, ROBERT C.
;    TITLE OF INVENTION:  SYNTHESIS OF OLIGONUCLEOTIDES
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CUSHMAN, DARBY & CUSHMAN
;      STREET:  1100 NEW YORK AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/041,599
;      FILING DATE:  19930405
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KOKULIS, PAUL N.
;      REGISTRATION NUMBER:  16,773
;      REFERENCE/DOCKET NUMBER:  202706/SBI36848/US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-861-3000
;      TELEFAX:  202-822-0944
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-041-599-2

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
              | ||||||||||||||
Db         15 TCGAAAAAAAAAAAA 1


RESULT 1954
US-08-337-025-2/c
; Sequence 2, Application US/08337025
; Patent No. 5552535
;  GENERAL INFORMATION:
;    APPLICANT:  McLEAN, MICHAEL J.
;    APPLICANT:  HOLLAND, DAVID
;    APPLICANT:  GARMAN, ANDREW J.
;    APPLICANT:  SHEPPARD, ROBERT C.
;    TITLE OF INVENTION:  SYNTHESIS OF OLIGONUCLEOTIDES
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CUSHMAN, DARBY & CUSHMAN
;      STREET:  1100 NEW YORK AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/337,025
;      FILING DATE:  07-NOV-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/041,599
;      FILING DATE:  05-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIRD, DONALD J.
;      REGISTRATION NUMBER:  25,323
;      REFERENCE/DOCKET NUMBER:  202706/SBI36848/US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-861-3000
;      TELEFAX:  202-822-0944
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-337-025-2
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  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
              | ||||||||||||||
Db         15 TCGAAAAAAAAAAAA 1


RESULT 1955
US-08-863-639A-7
; Sequence 7, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-7

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              | ||||||||||||||
Db          1 ACAAAAAAAAAAAAA 15


RESULT 1956
US-08-863-639A-7/c
; Sequence 7, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-7

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              ||||||||||||| |
Db         15 TTTTTTTTTTTTGT 1


RESULT 1957
US-08-863-639A-21
; Sequence 21, Application US/08863639A
; Patent No. 5981185
;  GENERAL INFORMATION:
;    APPLICANT:  Matson, Robert S.
;    APPLICANT:  Coassin, Peter J.
;    APPLICANT:  Rampal, Jang B.
;    APPLICANT:  Caskey, C. T.
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE REPEAT ARRAYS
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sheldon & Mak
;      STREET:  225 South Lake Avenue, 9th Floor
;      CITY:  Pasadena
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  91101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Corel WordPerfect 8 version
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/863,639A
;      FILING DATE:  May 28, 1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph E. Mueth
;      REGISTRATION NUMBER:  20,532
;      REFERENCE/DOCKET NUMBER:  11859-1
;    TELECOMMUNICATION INFORMATION:
```

```
;      TELEPHONE:  (626) 796-4000
;      TELEFAX:  (626) 795-6321
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
US-08-863-639A-21

  Query Match              0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         53 GGCGGGGGCGGCGGC 67
              ||||| |||||||||
Db          1 GGCGGCGGCGGCGGC 15


RESULT 1958
US-08-832-021-26
; Sequence 26, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-26

  Query Match              0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||  ||
Db          1 TTTTTTTTTTTTGAC 15


RESULT 1959
US-08-832-021-29/c
; Sequence 29, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-29

  Query Match              0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAA 2798
              || ||||||||||||
Db         15 TGTAAAAAAAAAAAA 1


RESULT 1960
US-08-832-021-30
; Sequence 30, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-30

  Query Match              0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||  |
Db          1 TTTTTTTTTTTTACC 15


RESULT 1961
US-08-832-021-32
; Sequence 32, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-32

  Query Match              0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
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```
Qy       2176 TTTTTTTTTTTAACT 2190
              ||||||||||| |||
Db          1 TTTTTTTTTTTTACT 15


RESULT 1962
US-08-832-021-33/c
; Sequence 33, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
              | ||||||||||||||
Db         15 TGGAAAAAAAAAAAA 1


RESULT 1963
US-08-832-021-37/c
; Sequence 37, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-37

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAA 2798
              || ||||||||||||
Db         15 TGCAAAAAAAAAAAA 1


RESULT 1964
US-08-832-021-42
; Sequence 42, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-42

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| |
Db          1 TTTTTTTTTTTTAGC 15


RESULT 1965
US-08-832-021-45/c
; Sequence 45, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-45

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
              | ||||||||||||||
Db         15 TCGAAAAAAAAAAAA 1


RESULT 1966
US-08-832-021-53
; Sequence 53, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
```

```
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-53

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2173 TTTTTTTTTTTTTA 2187
              ||||||||||||| ||
Db          1 TTTTTTTTTTTATA 15


RESULT 1967
US-08-832-021-54
; Sequence 54, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 54
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-54

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAAC 2189
              ||||||||||||| |
Db          1 TTTTTTTTTTTTATC 15


RESULT 1968
US-08-832-021-54/c
; Sequence 54, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 54
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-54

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
              || |||||||||||||
Db         15 GATAAAAAAAAAAAA 1


RESULT 1969
US-08-832-021-56
; Sequence 56, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 56
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-56

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTATT 15


RESULT 1970
US-08-832-021-56/c
; Sequence 56, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 56
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
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US-08-832-021-56

Query Match 0.5%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2786 AAAAAAAAAAAAAAA 2800
              || |||||||||||||
Db         15 AATAAAAAAAAAAAA 1
```

RESULT 1971
US-08-832-021-57
; Sequence 57, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 57
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-57

Query Match 0.5%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2173 TTTTTTTTTTTTTA 2187
              ||||||||||||| ||
Db          1 TTTTTTTTTTTCTA 15
```

RESULT 1972
US-08-832-021-57/c
; Sequence 57, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 57
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-57

Query Match 0.5%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2783 TTGAAAAAAAAAAAA 2797
              | |||||||||||||
Db         15 TAGAAAAAAAAAAAA 1
```

RESULT 1973
US-08-832-021-58/c
; Sequence 58, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-58

Query Match 0.5%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2785 GAAAAAAAAAAAAAA 2799
              || |||||||||||||
Db         15 GAGAAAAAAAAAAAA 1
```

RESULT 1974
US-08-832-021-60
; Sequence 60, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-60

Query Match 0.5%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTT 2180
              |||||||||||| ||
Db          1 TTTTTTTTTTTCTT 15
```

RESULT 1975
US-08-832-021-60/c
; Sequence 60, Application US/08832021

; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-60

Query Match 0.5%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2786 AAAAAAAAAAAAAAA 2800
              || |||||||||||||
Db         15 AAGAAAAAAAAAAAA 1
```

RESULT 1976
US-08-832-021-61
; Sequence 61, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-61

Query Match 0.5%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2173 TTTTTTTTTTTTTTA 2187
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTGTA 15
```

RESULT 1977
US-08-832-021-62/c
; Sequence 62, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-62

Query Match 0.5%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2785 GAAAAAAAAAAAAAA 2799
              || |||||||||||||
Db         15 GACAAAAAAAAAAAA 1
```

RESULT 1978
US-08-832-021-64
; Sequence 64, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 64
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-64

Query Match 0.5%; Score 13.4; DB 1; Length 15;
Best Local Similarity 93.3%; Pred. No. 1.2e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTTTTT 2180
              ||||||||||||| ||
Db          1 TTTTTTTTTTTTGTT 15
```

RESULT 1979
US-08-832-021-64/c
; Sequence 64, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 64

```
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-64

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              || |||||||||||||
Db         15 AACAAAAAAAAAAAA 1


RESULT 1980
US-09-475-947A-164
; Sequence 164, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 164
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-164

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2180
              |||||||| ||||||
Db          1 TTTTTTTTATTTTTT 15


RESULT 1981
US-09-475-947A-164/c
; Sequence 164, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 164
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-164

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2800
              |||||| ||||||||
Db         15 AAAAAATAAAAAAAA 1


RESULT 1982
US-08-730-635-13
; Sequence 13, Application US/08730635
; Patent No. 6514693
;  GENERAL INFORMATION:
;    APPLICANT:  Lansdorp, Peter
;    TITLE OF INVENTION:  Method for Detecting Multiple Copies of
;    TITLE OF INVENTION:  a Repeat Sequence in a Nucleic Acid Molecule
; Patent No. 6514693
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  HOWSON & HOWSON
;      STREET:  321 No. 6514693ristown Road
;      CITY:  Spring House
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19477
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/730,635
;      FILING DATE:  11-OCT-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bak, Mary E.
;      REGISTRATION NUMBER:  31,215
;      REFERENCE/DOCKET NUMBER:  B&P7USA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 540-9200
;      TELEFAX:  (215) 540-5818
;      TELEX:  N/A
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-730-635-13

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 15;
  Best Local Similarity   93.3%;  Pred. No. 1.2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         53 GGCGGGGGCGGCGGC 67
              ||||| |||||||||
Db          1 GGCGGCGGCGGCGGC 15


RESULT 1983
US-09-371-772B-5864/c
; Sequence 5864, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
```

```
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5864
;   LENGTH: 16
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-5864

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 16;
  Best Local Similarity   93.3%;  Pred. No. 1.5e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1561 GACTGCAAAAATCCT 1575
              ||||||||||  ||||
Db         16 GACTGCAAAAGTCCT 2


RESULT 1984
US-08-373-124A-1625/c
; Sequence 1625, Application US/08373124A
; Patent No. 5646042
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/373,124A
;      FILING DATE:  January 13, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1625:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-373-124A-1625

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2147 CTGATTGATTTTTTT 2161
              ||| ||||||||||
Db         15 CTGCTTGATTTTTTT 1


RESULT 1985
US-08-373-124A-1907
; Sequence 1907, Application US/08373124A
; Patent No. 5646042
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/373,124A
;      FILING DATE:  January 13, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1907:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-373-124A-1907

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   80.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAA 2794
              |||:: |||||||||
Db          3 GAAUUUAAAAAAAAA 17


RESULT 1986
US-08-435-628-1625/c
```

```
; Sequence 1625, Application US/08435628
; Patent No. 5817796
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/435,628
;      FILING DATE:  05-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/373,124
;      FILING DATE:  January 13, 1995
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1625:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-435-628-1625

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2147 CTGATTGATTTTTTT 2161
             ||| ||||||||||||
Db         15 CTGCTTGATTTTTTT 1


RESULT 1987
US-08-435-628-1907
; Sequence 1907, Application US/08435628
; Patent No. 5817796
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/435,628
;      FILING DATE:  05-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/373,124
;      FILING DATE:  January 13, 1995
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1907:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-435-628-1907

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   80.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAA 2794
              |||:: |||||||||
Db          3 GAAUUUAAAAAAAAA 17


RESULT 1988
US-08-747-121-5/c
; Sequence 5, Application US/08747121
; Patent No. 5874290
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Gerald
;    APPLICANT:  Boynton, Alton
;    APPLICANT:  Sehgal, Anil
;    TITLE OF INVENTION:  NUCLEOTIDE AND AMINO ACID
;    TITLE OF INVENTION:  SEQUENCES OF A D2-2 GENE ASSOCIATED WITH
;    TITLE OF INVENTION:  BRAIN TUMORS AND METHODS BASED THEREON
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
```

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;       STREET:  1155 Avenue of the Americas
;       CITY:  New York
;       STATE:  NY
;       COUNTRY:  USA
;       ZIP:  10036-2711
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/747,121
;       FILING DATE:  08-NOV-1996
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Baldwin, Geraldine F
;       REGISTRATION NUMBER:  31,232
;       REFERENCE/DOCKET NUMBER:  8511-008
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212)7909090
;       TELEFAX:  (212)8698864
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1
;       OTHER INFORMATION:  Where N is any nucleotide
US-08-747-121-5

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1891 ATGTGCCCTAGATCA 1905
              ||||||| |||||||
Db         16 ATGTGCCTTAGATCA 2


RESULT 1989
US-08-744-905A-5/c
; Sequence 5, Application US/08744905A
; Patent No. 5990294
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Gerald
;    APPLICANT:  Boynton, Alton
;    APPLICANT:  Sehgal, Anil
;    TITLE OF INVENTION:  NUCLEOTIDE AND AMINO ACID
;    TITLE OF INVENTION:  SEQUENCES OF C4-2, A TUMOR SUPPRESSOR GENE,
;    TITLE OF INVENTION:  AND METHODS OF USE THEREOF
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/744,905A
;      FILING DATE:  08-NOV-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Baldwin, Geraldine F
;      REGISTRATION NUMBER:  31,232
;      REFERENCE/DOCKET NUMBER:  8511-009
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212)7909090
;      TELEFAX:  (212)8698864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1
;      OTHER INFORMATION:  Where N is any nucleotide
US-08-744-905A-5

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1891 ATGTGCCCTAGATCA 1905
              ||||||| |||||||
Db         16 ATGTGCCTTAGATCA 2


RESULT 1990
US-08-909-742-3/c
; Sequence 3, Application US/08909742
; Patent No. 6007991
;  GENERAL INFORMATION:
;    APPLICANT:  Vimala S. Sivaraman
;    APPLICANT:  Hsien-Yu Wang
;    APPLICANT:  Craig C. Malbon
;    TITLE OF INVENTION:  ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-
;    TITLE OF INVENTION:  ACTIVATED PROTEIN KINASES AS THERAPY FOR
;    TITLE OF INVENTION:  BREAST CANCER
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron, LLP
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Word Perfect 6.1 for windows
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/909,742
;      FILING DATE:  August 12, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/831,994
;      FILING DATE:  April 1, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/827,520
;      FILING DATE:  March 28, 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Adams, Lindsay S.
;      REGISTRATION NUMBER:  36,425
;      REFERENCE/DOCKET NUMBER:  178-225 CIP II
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
```

```
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-909-742-3

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         53 GGCGGGGGCGGCGGC 67
              ||||| |||||||||
Db         15 GGCGGCGGCGGCGGC 1


RESULT 1991
US-08-909-742-4/c
; Sequence 4, Application US/08909742
; Patent No. 6007991
;  GENERAL INFORMATION:
;    APPLICANT:  Vimala S. Sivaraman
;    APPLICANT:  Hsien-Yu Wang
;    APPLICANT:  Craig C. Malbon
;    TITLE OF INVENTION:  ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-
;    TITLE OF INVENTION:  ACTIVATED PROTEIN KINASES AS THERAPY FOR
;    TITLE OF INVENTION:  BREAST CANCER
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron, LLP
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Word Perfect 6.1 for windows
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/909,742
;      FILING DATE:  August 12, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/831,994
;      FILING DATE:  April 1, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/827,520
;      FILING DATE:  March 28, 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Adams, Lindsay S.
;      REGISTRATION NUMBER:  36,425
;      REFERENCE/DOCKET NUMBER:  178-225 CIP II
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-909-742-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         53 GGCGGGGGCGGCGGC 67
              ||||| |||||||||
Db         15 GGCGGCGGCGGCGGC 1


RESULT 1992
US-08-825-487A-95/c
; Sequence 95, Application US/08825487A
; Patent No. 6048689
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Patricia D.
;    APPLICANT:  White, Marga B.
;    TITLE OF INVENTION:  METHODS FOR IDENTIFYING VARIATIONS IN  POLYNUCLEOTIDE SEQUENCE
;    NUMBER OF SEQUENCES:  110
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Howrey & Simon
;      STREET:  1299 Pennyslvania Avenue., N.W.
;      CITY:  Washington,
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/825,487A
;      FILING DATE:  28-MAR-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US98/060002
;      FILING DATE:  26-Mar-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Albert P. Halluin
;      REGISTRATION NUMBER:  25,227
;      REFERENCE/DOCKET NUMBER:  05371.0012.999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-463-8100
;      TELEFAX:  650-463-8400
;  INFORMATION FOR SEQ ID NO:  95:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other
;    FEATURE:
;      NAME/KEY:  Other
;      LOCATION:  1...17
;      OTHER INFORMATION:  BRCA1 ASO 1136insA-Mutant
US-08-825-487A-95

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1918 TACCTTTTTTTTCAG 1932
              ||||||||||||| |
Db         15 TACCTTTTTTTTCTG 1


RESULT 1993
US-09-021-701-110
; Sequence 110, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
```

```
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  110:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-110

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        141 GACTGTTTTGGGGGA 155
              | ||||||||||||||
Db          3 GTCTGTTTTGGGGGA 17


RESULT 1994
US-09-021-701-111
; Sequence 111, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  111:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-111

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        141 GACTGTTTTGGGGGA 155
              | ||||||||||||||
Db          2 GTCTGTTTTGGGGGA 16


RESULT 1995
US-09-021-701-112
; Sequence 112, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  112:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
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;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-112

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        141 GACTGTTTTGGGGGA 155
              | ||||||||||||||
Db          1 GTCTGTTTTGGGGGA 15


RESULT 1996
US-09-412-289-3/c
; Sequence 3, Application US/09412289
; Patent No. 6271210
; GENERAL INFORMATION:
;  APPLICANT: Sivaraman, Vimala S.
;  APPLICANT: Wang, Hsien-Yu
;  APPLICANT: Malbon, Craig C.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-ACTIVATED
;  TITLE OF INVENTION: PROTEIN KINASES AS THERAPY FOR CANCER
;  FILE REFERENCE: Seq. 1-4 (178-225 CIP II/CON)
;  CURRENT APPLICATION NUMBER: US/09/412,289
;  CURRENT FILING DATE: 1999-10-05
;  EARLIER APPLICATION NUMBER: 08/909,742
;  EARLIER FILING DATE: 1997-08-12
;  EARLIER APPLICATION NUMBER: 08/831,994
;  EARLIER FILING DATE: 1997-04-01
;  EARLIER APPLICATION NUMBER: 08/827,520
;  EARLIER FILING DATE: 1997-03-28
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthesized
;   OTHER INFORMATION: antisense oligonucleotide
US-09-412-289-3

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         53 GGCGGGGGCGGCGGC 67
              ||||| |||||||||
Db         15 GGCGGCGGCGGCGGC 1


RESULT 1997
US-09-412-289-4/c
; Sequence 4, Application US/09412289
; Patent No. 6271210
; GENERAL INFORMATION:
;  APPLICANT: Sivaraman, Vimala S.
;  APPLICANT: Wang, Hsien-Yu
;  APPLICANT: Malbon, Craig C.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-ACTIVATED
;  TITLE OF INVENTION: PROTEIN KINASES AS THERAPY FOR CANCER
;  FILE REFERENCE: Seq. 1-4 (178-225 CIP II/CON)
;  CURRENT APPLICATION NUMBER: US/09/412,289
;  CURRENT FILING DATE: 1999-10-05
;  EARLIER APPLICATION NUMBER: 08/909,742
;  EARLIER FILING DATE: 1997-08-12
;  EARLIER APPLICATION NUMBER: 08/831,994
;  EARLIER FILING DATE: 1997-04-01
;  EARLIER APPLICATION NUMBER: 08/827,520
;  EARLIER FILING DATE: 1997-03-28
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthesized
;   OTHER INFORMATION: antisense oligonucleotide
US-09-412-289-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         53 GGCGGGGGCGGCGGC 67
              ||||| |||||||||
Db         15 GGCGGCGGCGGCGGC 1


RESULT 1998
US-08-584-040-2032/c
; Sequence 2032, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2032:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2032
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  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1561 GACTGCAAAAATCCT 1575
              ||||||||||  ||||
Db         17 GACTGCAAAAGTCCT 3


RESULT 1999
US-08-584-040-2033/c
; Sequence 2033, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2033:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2033

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1561 GACTGCAAAAATCCT 1575
              ||||||||||  ||||
Db         16 GACTGCAAAAGTCCT 2


RESULT 2000
US-08-584-040-2034/c
; Sequence 2034, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2034:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2034

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1561 GACTGCAAAAATCCT 1575
              ||||||||||  ||||
Db         15 GACTGCAAAAGTCCT 1


RESULT 2001
US-08-584-040-2189
; Sequence 2189, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
```

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;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2189:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2189

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   13.3%;  Pred. No. 1.7e+03;
  Matches    2;  Conservative   12;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTAACT 2190
                :::::::::: ||:
Db          1 UUUUUUUUUUGACU 15


RESULT 2002
US-08-584-040-3867
; Sequence 3867, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  3867:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-3867

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   60.0%;  Pred. No. 1.7e+03;
  Matches    9;  Conservative    5;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2698 TGGAATTGAACTCTC 2712
                :||||::||||: :|
Db          3 UGGAAUUGAACUAUC 17


RESULT 2003
US-08-584-040-7490/c
; Sequence 7490, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
```

```
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7490:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7490

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2488 GTGATGGGGTAATCT 2502
              ||||||| |||||||
Db         15 GTGATGGAGTAATCT 1


RESULT 2004
US-09-371-772B-577/c
; Sequence 577, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 577
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-577

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1561 GACTGCAAAAATCCT 1575
              |||||||||| ||||
Db         17 GACTGCAAAAGTCCT 3


RESULT 2005
US-09-371-772B-578/c
; Sequence 578, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 578
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-578

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1561 GACTGCAAAAATCCT 1575
              |||||||||| ||||
Db         16 GACTGCAAAAGTCCT 2


RESULT 2006
US-09-371-772B-579/c
; Sequence 579, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 579
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-579

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1561 GACTGCAAAAATCCT 1575
              |||||||||| ||||
Db         15 GACTGCAAAAGTCCT 1


RESULT 2007
US-09-371-772B-734
; Sequence 734, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
```

```
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 734
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-734

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   13.3%;  Pred. No. 1.7e+03;
  Matches    2;  Conservative   12;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2176 TTTTTTTTTTTAACT 2190
              ::::::::::: ||:
Db          1 UUUUUUUUUUUGACU 15


RESULT 2008
US-09-371-772B-1634
; Sequence 1634, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1634
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1634

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   60.0%;  Pred. No. 1.7e+03;
  Matches    9;  Conservative    5;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2698 TGGAATTGAACTCTC 2712
              :||||::||||: :|
Db          3 UGGAAUUGAACUAUC 17


RESULT 2009
US-09-371-772B-3296/c
; Sequence 3296, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3296
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3296

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2488 GTGATGGGGTAATCT 2502
              ||||||| |||||||
Db         15 GTGATGGAGTAATCT 1


RESULT 2010
US-09-371-772B-6327
; Sequence 6327, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6327
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-6327

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   86.7%;  Pred. No. 1.7e+03;
  Matches   13;  Conservative    1;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1503 AGAAACACAGGAAAT 1517
              ||| ||||||||||:
Db          3 AGAGACACAGGAAAU 17


RESULT 2011
US-09-827-998-654
; Sequence 654, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
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; SEQ ID NO 654
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-654

Query Match 0.5%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.7e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 451 CACAGGCAGCCAGCA 465
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Db 3 CACAGGTAGCCAGCA 17

RESULT 2012
US-09-827-998-657
; Sequence 657, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 657
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-657

Query Match 0.5%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.7e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 452 ACAGGCAGCCAGCAG 466
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Db 1 ACAGGTAGCCAGCAG 15

RESULT 2013
US-09-866-108A-2060/c
; Sequence 2060, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2060
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2060

Query Match 0.5%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.7e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1367 GGCAGCCAGGCCATC 1381
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Db 17 GGCAGGCAGGCCATC 3

RESULT 2014
US-09-866-108A-2061/c
; Sequence 2061, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2061
; LENGTH: 17
; TYPE: DNA

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;   ORGANISM: Homo sapiens
US-09-866-108A-2061

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1367 GGCAGCCAGGCCATC 1381
                ||||| |||||||||
Db         16 GGCAGGCAGGCCATC 2


RESULT 2015
US-09-866-108A-2672
; Sequence 2672, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2672
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-2672

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         47 GCGCGCGGCGGGGGC 61
              | |||||||||||||
Db          2 GGGCGCGGCGGGGGC 16


RESULT 2016
US-09-866-108A-2673
; Sequence 2673, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2673
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-2673

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         47 GCGCGCGGCGGGGGC 61
              | |||||||||||||
Db          1 GGGCGCGGCGGGGGC 15


RESULT 2017
US-09-866-108A-10726
; Sequence 10726, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
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;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10726
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10726

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2554 GAGGATGCTGGGCTC 2568
             | ||||||||||||||
Db          3 GGGGATGCTGGGCTC 17


RESULT 2018
US-09-866-108A-10727
; Sequence 10727, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10727
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10727

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2554 GAGGATGCTGGGCTC 2568
             | ||||||||||||||
Db          2 GGGGATGCTGGGCTC 16


RESULT 2019
US-09-866-108A-10728
; Sequence 10728, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10728
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10728

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   93.3%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2554 GAGGATGCTGGGCTC 2568
             | ||||||||||||||
Db          1 GGGGATGCTGGGCTC 15


RESULT 2020
PCT-US91-03680-7
; Sequence 7, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
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;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  8
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  14
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "1,3-propanediol"
PCT-US91-03680-7

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2181
              ||||||| ||||| ||
Db          1 TTTTTTNTTTTTCTT 16


RESULT 2021
PCT-US91-03680-7/c
; Sequence 7, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  8
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  14
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "1,3-propanediol"
PCT-US91-03680-7

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 1.7e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2801
              || ||||| |||||||
Db         16 AAGAAAAANAAAAAA 1


RESULT 2022
US-08-330-000-1
; Sequence 1, Application US/08330000
; Patent No. 5686242
;  GENERAL INFORMATION:
;    APPLICANT:  Bruice, Thomas W.
;    APPLICANT:  Lima, Walter F.
;    TITLE OF INVENTION:  DETERMINATION OF OLIGONUCLEOTIDES
;    TITLE OF INVENTION:  FOR THERAPEUTICS, DIAGNOSTICS   AND RESEARCH REAGENTS
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5686242ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
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;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,000
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  755,485
;      FILING DATE:  September 5, 1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/07489
;      FILING DATE:  September 4, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ralph, Rebecca Lynne
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  ISIS-1723
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-330-000-1

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2180
              | ||||||||||||
Db          4 TGTTTTTTTTTTTT 18


RESULT 2023
US-08-330-000-1/c
; Sequence 1, Application US/08330000
; Patent No. 5686242
;  GENERAL INFORMATION:
;    APPLICANT:  Bruice, Thomas W.
;    APPLICANT:  Lima, Walter F.
;    TITLE OF INVENTION:  DETERMINATION OF OLIGONUCLEOTIDES
;    TITLE OF INVENTION:  FOR THERAPEUTICS, DIAGNOSTICS   AND RESEARCH REAGENTS
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5686242ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/330,000
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  755,485
;      FILING DATE:  September 5, 1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/07489
;      FILING DATE:  September 4, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ralph, Rebecca Lynne
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  ISIS-1723
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-330-000-1

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2800
              |||||||||||||
Db         18 AAAAAAAAAAAAAA 4


RESULT 2024
US-09-166-203-14/c
; Sequence 14, Application US/09166203A
; Patent No. 5968826
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Condon, Tom P.
;  APPLICANT: Cowsert, Lex M.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN 4 EXPRESSION
;  FILE REFERENCE: ISPH-0323
;  CURRENT APPLICATION NUMBER: US/09/166,203A
;  CURRENT FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 60
; SEQ ID NO 14
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-166-203-14

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1489 CCTGGAGAAAATGGA 1503
              || ||||||||||||
Db         18 CCAGGAGAAAATGGA 4


RESULT 2025
US-09-166-203-18/c
; Sequence 18, Application US/09166203A
; Patent No. 5968826
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Condon, Tom P.
;  APPLICANT: Cowsert, Lex M.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN 4 EXPRESSION
;  FILE REFERENCE: ISPH-0323
;  CURRENT APPLICATION NUMBER: US/09/166,203A
;  CURRENT FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 60
; SEQ ID NO 18
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
```

```
US-09-166-203-18

  Query Match           0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2481 TTTAATGGTGATGGG 2495
              ||||||  ||||||||
Db         15 TTTAATTGTGATGGG 1


RESULT 2026
US-09-213-768-36/c
; Sequence 36, Application US/09213768
; Patent No. 5985664
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SENTRIN EXPRESSION
;  FILE REFERENCE: RTS-0026
;  CURRENT APPLICATION NUMBER: US/09/213,768
;  CURRENT FILING DATE: 1998-12-17
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 36
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-213-768-36

  Query Match           0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1753 GCTCTTTATTCATTA 1767
              ||||  ||||||||||
Db         16 GCTCATTATTCATTA 2


RESULT 2027
US-09-106-038A-22/c
; Sequence 22, Application US/09106038A
; Patent No. 6007995
;  GENERAL INFORMATION:
;    APPLICANT:  Brenda F. Baker and Lex M. Cowsert
;    TITLE OF INVENTION:  ANTISENSE MODULATION OF TNFR1
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  91
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Isis Pharmaceuticals, Inc.
;      STREET:  2292 Faraday Avenue
;      CITY:  Carlsbad
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  92008
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Windows NT
;      SOFTWARE:  Microsoft Word 97
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/106,038A
;      FILING DATE:  June 26, 1998
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Laurel Spear Bernstein
;      REGISTRATION NUMBER:  37,280
;      REFERENCE/DOCKET NUMBER:  RTS-0004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (760) 931-9200
;      TELEFAX:  (760) 603-3820
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-106-038A-22

  Query Match           0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        603 CCGACCTGCTGCTGC 617
              | ||||||||||||||
Db         15 CTGACCTGCTGCTGC 1


RESULT 2028
US-08-965-908-1
; Sequence 1, Application US/08965908
; Patent No. 6022691
;  GENERAL INFORMATION:
;    APPLICANT:  Bruice, Thomas W.
;    APPLICANT:  Lima, Walter F.
;    TITLE OF INVENTION:  DETERMINATION OF OLIGONUCLEOTIDES
;    TITLE OF INVENTION:  FOR THERAPEUTICS, DIAGNOSTICS   AND RESEARCH REAGENTS
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 6022691ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/965,908
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/330,000
;      FILING DATE:
;      APPLICATION NUMBER:  755,485
;      FILING DATE:  September 5, 1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/07489
;      FILING DATE:  September 4, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ralph, Rebecca Lynne
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  ISIS-1723
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-965-908-1

  Query Match           0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2180
              | ||||||||||||||
```

```
Db          4 TGTTTTTTTTTTTT 18


RESULT 2029
US-08-965-908-1/c
; Sequence 1, Application US/08965908
; Patent No. 6022691
;  GENERAL INFORMATION:
;    APPLICANT:  Bruice, Thomas W.
;    APPLICANT:  Lima, Walter F.
;    TITLE OF INVENTION:  DETERMINATION OF OLIGONUCLEOTIDES
;    TITLE OF INVENTION:  FOR THERAPEUTICS, DIAGNOSTICS   AND RESEARCH REAGENTS
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 6022691ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/965,908
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/330,000
;      FILING DATE:
;      APPLICATION NUMBER:  755,485
;      FILING DATE:  September 5, 1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/07489
;      FILING DATE:  September 4, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ralph, Rebecca Lynne
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  ISIS-1723
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-965-908-1

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2800
             ||||||||||||| |
Db         18 AAAAAAAAAAAACA 4


RESULT 2030
US-08-826-532-16/c
; Sequence 16, Application US/08826532B
; Patent No. 6027923
; GENERAL INFORMATION:
;  APPLICANT: Wallace, Robert B.
;  TITLE OF INVENTION: Linked Linear Amplification of Nucleic Acids
;  FILE REFERENCE: 3239-102P
;  CURRENT APPLICATION NUMBER: US/08/826,532B
;  CURRENT FILING DATE: 1997-04-02
;  EARLIER APPLICATION NUMBER: US 08/475,605
;  EARLIER FILING DATE: 1995-06-07
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Description of Combined DNA/RNA
;   OTHER INFORMATION: Molecule:synthesized primer
US-08-826-532-16

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1936 TAAGGTAATGGTTGG 1950
             ||||| |||||||||
Db         18 TAAGGGAATGGTTGG 4


RESULT 2031
US-08-826-532-18/c
; Sequence 18, Application US/08826532B
; Patent No. 6027923
; GENERAL INFORMATION:
;  APPLICANT: Wallace, Robert B.
;  TITLE OF INVENTION: Linked Linear Amplification of Nucleic Acids
;  FILE REFERENCE: 3239-102P
;  CURRENT APPLICATION NUMBER: US/08/826,532B
;  CURRENT FILING DATE: 1997-04-02
;  EARLIER APPLICATION NUMBER: US 08/475,605
;  EARLIER FILING DATE: 1995-06-07
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-08-826-532-18

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1936 TAAGGTAATGGTTGG 1950
             ||||| |||||||||
Db         18 TAAGGGAATGGTTGG 4


RESULT 2032
US-09-035-220-45/c
; Sequence 45, Application US/09035220
; Patent No. 6130042
;  GENERAL INFORMATION:
;    APPLICANT:  Diehl, Scott R.
;    APPLICANT:  Schenkein, Harvey A.
;    APPLICANT:  Wang, Yue-Fen
;    TITLE OF INVENTION:  Compositions and Methods for Diagnosing
;    TITLE OF INVENTION:  Periodontal Disease
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll, LLP
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

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;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/035,220
;       FILING DATE:  05-MAR-1998
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Carroll, Peter G.
;       REGISTRATION NUMBER:  32,837
;       REFERENCE/DOCKET NUMBER:  NIH-05027
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 705-8410
;       TELEFAX:  (415) 397-8338
;   INFORMATION FOR SEQ ID NO:  45:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  /desc = "DNA"
US-09-035-220-45

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2448 TTTGAGACATGGGAT 2462
                ||||| |||||||||
Db         18 TTTGACACATGGGAT 4


RESULT 2033
US-09-358-972-220/c
; Sequence 220, Application US/09358972
; Patent No. 6235480
; GENERAL INFORMATION:
;  APPLICANT: Shultz, John W
;  APPLICANT: Lewis, Martin K.
;  APPLICANT: Lieppe, Donna
;  APPLICANT: Mandrekar, Michelle
;  APPLICANT: Kephart, Daniel
;  APPLICANT: Rhodes, Richard B.
;  APPLICANT: Andrews, Christine A.
;  APPLICANT: Hartnett, James R.
;  APPLICANT: Gu, Trent
;  APPLICANT: Olson, Ryan J.
;  APPLICANT: Wood, Keith W.
;  APPLICANT: Welch, Roy
;  TITLE OF INVENTION: Nucleic Acid Detection
;  FILE REFERENCE: Pro-103 6868/75528
;  CURRENT APPLICATION NUMBER: US/09/358,972
;  CURRENT FILING DATE: 1999-07-22
;  EARLIER APPLICATION NUMBER: 09/252,436
;  EARLIER FILING DATE: 1999-02-18
;  EARLIER APPLICATION NUMBER: 09/042,287
;  EARLIER FILING DATE: 1998-03-13
;  NUMBER OF SEQ ID NOS: 290
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 220
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: CAH oligo 7 for mutation site 2
US-09-358-972-220

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        108 TTGGGGGCTGGGGGG 122
                ||||||||||| |||
Db         17 TTGGGGGCTGGAGGG 3


RESULT 2034
US-09-377-309-14/c
; Sequence 14, Application US/09377309B
; Patent No. 6258790
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Condon, Tom P.
;  APPLICANT: Cowsert, Lex M.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN 4 EXPRESSION
;  FILE REFERENCE: ISPH-0390
;  CURRENT APPLICATION NUMBER: US/09/377,309B
;  CURRENT FILING DATE: 1999-08-19
;  EARLIER APPLICATION NUMBER: 09/166,203
;  EARLIER FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 99
; SEQ ID NO 14
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-377-309-14

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1489 CCTGGAGAAAATGGA 1503
                || ||||||||||||
Db         18 CCAGGAGAAAATGGA 4


RESULT 2035
US-09-377-309-18/c
; Sequence 18, Application US/09377309B
; Patent No. 6258790
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Condon, Tom P.
;  APPLICANT: Cowsert, Lex M.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN 4 EXPRESSION
;  FILE REFERENCE: ISPH-0390
;  CURRENT APPLICATION NUMBER: US/09/377,309B
;  CURRENT FILING DATE: 1999-08-19
;  EARLIER APPLICATION NUMBER: 09/166,203
;  EARLIER FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 99
; SEQ ID NO 18
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-377-309-18

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2481 TTTAATGGTGATGGG 2495
                ||||||| ||||||||
Db         15 TTTAATTGTGATGGG 1


RESULT 2036
US-09-406-064-27/c
; Sequence 27, Application US/09406064
; Patent No. 6270973
; GENERAL INFORMATION:
;  APPLICANT: Shultz, John W
;  APPLICANT: Lewis, Martin K.
```

```
;  APPLICANT: Leippe, Donna
;  APPLICANT: Mandrekar, Michelle
;  APPLICANT: Kephart, Daniel
;  APPLICANT: Rhodes, Richard B
;  APPLICANT: Andrews, Christine A.
;  APPLICANT: Hartnett, James R.
;  APPLICANT: Gu, Trent
;  APPLICANT: Wood, Keith V.
;  APPLICANT: Welch, Roy
;  TITLE OF INVENTION: MULTIPLEX METHOD FOR NUCLEIC ACID DETECTION
;  FILE REFERENCE: PRO-107.0 (6868/75532)
;  CURRENT APPLICATION NUMBER: US/09/406,064
;  CURRENT FILING DATE: 1999-09-27
;  EARLIER APPLICATION NUMBER: 09/358,972
;  EARLIER FILING DATE: 1999-07-21
;  EARLIER APPLICATION NUMBER: 09/252,436
;  EARLIER FILING DATE: 1999-02-18
;  EARLIER APPLICATION NUMBER: 09/042,287
;  EARLIER FILING DATE: 1998-03-13
;  NUMBER OF SEQ ID NOS: 99
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-406-064-27

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        108 TTGGGGGCTGGGGGG 122
              ||||||||||| |||
Db         17 TTGGGGGCTGGAGGG 3


RESULT 2037
US-09-430-615-56/c
; Sequence 56, Application US/09430615
; Patent No. 6277578
; GENERAL INFORMATION:
;  APPLICANT:  Lewis, Martin K.
;  APPLICANT:  Leippe, Donna
;  APPLICANT:  Mandrekar, Michelle
;  APPLICANT:  Andrews, Christine Ann
;  APPLICANT:  Hartnett, James Robert
;  APPLICANT:  Welch, Roy
;  APPLICANT:  Shultz, John William
;  TITLE OF INVENTION:  Method for Amplified Nucleic Acid Detection
;  FILE REFERENCE:
;  CURRENT APPLICATION NUMBER: US/09/430,615
;  CURRENT FILING DATE:  1999-10-29
;  PRIOR APPLICATION NUMBER:  09/358,972
;  PRIOR FILING DATE:  1999-07-21
;  PRIOR APPLICATION NUMBER:  09/252,436
;  PRIOR FILING DATE:  1999-02-18
;  PRIOR APPLICATION NUMBER:  09/042,287
;  PRIOR FILING DATE:  1998-03-13
;  NUMBER OF SEQ ID NOS:  69
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 56
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-430-615-56

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        108 TTGGGGGCTGGGGGG 122
              ||||||||||| |||
Db         17 TTGGGGGCTGGAGGG 3


RESULT 2038
US-09-094-381C-13/c
; Sequence 13, Application US/09094381C
; Patent No. 6280936
; GENERAL INFORMATION:
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beigelman, Leonid
;  APPLICANT:  Bellon, Laurent
;  TITLE OF INVENTION:  METHOD FOR SCREENING NUCLEIC ACID CATALYSTS
;  FILE REFERENCE:  MBHB00-943-A
;  CURRENT APPLICATION NUMBER: US/09/094,381C
;  CURRENT FILING DATE:  1998-06-09
;  PRIOR APPLICATION NUMBER:  60/049,002
;  PRIOR FILING DATE:  1997-06-09
;  NUMBER OF SEQ ID NOS:  35
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 13
;   LENGTH: 18
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Nucleic acid
;   OTHER INFORMATION: for preparation of "Loop II" Ribozyme library.
US-09-094-381C-13

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        676 GCCTCACCAGATGGA 690
              |||||| ||||||||
Db         17 GCCTCATCAGATGGA 3


RESULT 2039
US-09-406-065-61/c
; Sequence 61, Application US/09406065
; Patent No. 6312902
; GENERAL INFORMATION:
;  APPLICANT: Shultz, John W
;  APPLICANT: Lewis, Martin K.
;  APPLICANT: Leippe, Donna
;  APPLICANT: Mandrekar, Michelle
;  APPLICANT: Kephart, Daniel
;  APPLICANT: Rhodes, Richard B
;  APPLICANT: Andrews, Christine A
;  APPLICANT: Hartnett, James R
;  APPLICANT: Gu, Trent
;  APPLICANT: Olson, Ryan J
;  APPLICANT: Welch, Roy
;  TITLE OF INVENTION: Improved Nucleic Acid Detection
;  FILE REFERENCE: Improved Nucleic Acid Detection
;  CURRENT APPLICATION NUMBER: US/09/406,065
;  CURRENT FILING DATE: 1999-09-27
;  EARLIER APPLICATION NUMBER: 09/358,972
;  EARLIER FILING DATE: 1999-07-21
;  EARLIER APPLICATION NUMBER: 09/252,436
;  EARLIER FILING DATE: 1999-02-18
;  EARLIER APPLICATION NUMBER: 09/042,287
;  EARLIER FILING DATE: 1998-03-13
;  NUMBER OF SEQ ID NOS: 81
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-406-065-61

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
```

```
Qy        108 TTGGGGGCTGGGGGG 122
              ||||||||||| |||
Db         17 TTGGGGGCTGGAGGG 3


RESULT 2040
US-09-228-324A-16/c
; Sequence 16, Application US/09228324A
; Patent No. 6335184
; GENERAL INFORMATION:
;  APPLICANT: Reyes, Antonio A
;  APPLICANT:  Wallace, Robert B.
;  APPLICANT:  Ugozzoli, Luis A.
;  TITLE OF INVENTION: Linked Linear Amplification of Nucleic Acids
;  FILE REFERENCE: 3239-103P
;  CURRENT APPLICATION NUMBER: US/09/228,324A
;  CURRENT FILING DATE:  1999-01-11
;  PRIOR APPLICATION NUMBER: US 08/826,532
;  PRIOR FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Description of Combined DNA/RNA
;   OTHER INFORMATION: Molecule:synthesized primer
US-09-228-324A-16

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1936 TAAGGTAATGGTTGG 1950
              ||||| |||||||||
Db         18 TAAGGGAATGGTTGG 4


RESULT 2041
US-09-228-324A-18/c
; Sequence 18, Application US/09228324A
; Patent No. 6335184
; GENERAL INFORMATION:
;  APPLICANT: Reyes, Antonio A
;  APPLICANT:  Wallace, Robert B.
;  APPLICANT:  Ugozzoli, Luis A.
;  TITLE OF INVENTION: Linked Linear Amplification of Nucleic Acids
;  FILE REFERENCE: 3239-103P
;  CURRENT APPLICATION NUMBER: US/09/228,324A
;  CURRENT FILING DATE:  1999-01-11
;  PRIOR APPLICATION NUMBER: US 08/826,532
;  PRIOR FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-228-324A-18

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1936 TAAGGTAATGGTTGG 1950
              ||||| |||||||||
Db         18 TAAGGGAATGGTTGG 4


RESULT 2042
US-08-584-040-2986/c
; Sequence 2986, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2986:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2986

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        474 GGCCCGGCCGCCAGA 488
              | ||||||||||||||
Db         15 GACCCGGCCGCCAGA 1


RESULT 2043
US-08-584-040-3076
; Sequence 3076, Application US/08584040
; Patent No. 6346398
; GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
```

```
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  3076:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-3076

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   60.0%;  Pred. No. 2e+03;
  Matches    9;  Conservative    5;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1340 CATTTCAGCCTGATT 1354
              ||:::|||||:|| :
Db          1 CAUUUCAGCCUGAAU 15


RESULT 2044
US-09-383-316-77/c
; Sequence 77, Application US/09383316
; Patent No. 6391551
; GENERAL INFORMATION:
;  APPLICANT:  Shultz, John W
;  APPLICANT:  Lewis, Martin K.
;  APPLICANT:  Lieppe, Donna
;  APPLICANT:  Mandrekar, Michelle
;  APPLICANT:  Kephart, Daniel
;  APPLICANT:  Rhodes, Richard B.
;  APPLICANT:  Andrews, Christine A.
;  APPLICANT:  Hartnett, James R.
;  APPLICANT:  Gu, Trent
;  APPLICANT:  Olson, Ryan J.
;  APPLICANT:  Wood, Keith W.
;  APPLICANT:  Welch, Roy
;  TITLE OF INVENTION:  Nucleic Acid Detection
;  FILE REFERENCE:  PRO-104 6868/75529
;  CURRENT APPLICATION NUMBER: US/09/383,316
;  CURRENT FILING DATE:  1999-08-25
;  PRIOR APPLICATION NUMBER:  09/252,436
;  PRIOR FILING DATE:  1999-02-18
;  PRIOR APPLICATION NUMBER:  09/042,287
;  PRIOR FILING DATE:  1998-03-13
;  PRIOR APPLICATION NUMBER:  09/358,972
;  PRIOR FILING DATE:  1999-07-21
;  NUMBER OF SEQ ID NOS:  123
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 77
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: CAH oligo 7 for mutation site 2
US-09-383-316-77

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        108 TTGGGGGCTGGGGGG 122
              ||||||||||| |||
Db         17 TTGGGGGCTGGAGGG 3


RESULT 2045
US-09-000-286A-17/c
; Sequence 17, Application US/09000286A
; Patent No. 6449562
; GENERAL INFORMATION:
;  APPLICANT: Luminex Corporation
;  APPLICANT:  Chandler, Van S.
;  APPLICANT:  Fulton, Jerrold R.
;  APPLICANT:  Chandler, Mark B.
;  TITLE OF INVENTION: Multiplexed Analysis of Clinical Specimens Apparatus and Method
;  FILE REFERENCE: 112802.500
;  CURRENT APPLICATION NUMBER: US/09/000,286A
;  CURRENT FILING DATE:  1998-08-18
;  PRIOR APPLICATION NUMBER: PCT/US96/16198
;  PRIOR FILING DATE: 1996-10-10
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 17
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-000-286A-17

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1326 AGAACTGCTTGTCTC 1340
              ||||||||| |||||
Db         15 AGAACTGCTCGTCTC 1


RESULT 2046
US-09-000-286A-18
; Sequence 18, Application US/09000286A
; Patent No. 6449562
; GENERAL INFORMATION:
;  APPLICANT: Luminex Corporation
;  APPLICANT:  Chandler, Van S.
;  APPLICANT:  Fulton, Jerrold R.
;  APPLICANT:  Chandler, Mark B.
;  TITLE OF INVENTION: Multiplexed Analysis of Clinical Specimens Apparatus and Method
;  FILE REFERENCE: 112802.500
;  CURRENT APPLICATION NUMBER: US/09/000,286A
;  CURRENT FILING DATE:  1998-08-18
;  PRIOR APPLICATION NUMBER: PCT/US96/16198
;  PRIOR FILING DATE: 1996-10-10
;  NUMBER OF SEQ ID NOS: 34
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
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```
US-09-000-286A-18

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1326 AGAACTGCTTGTCTC 1340
              ||||||||| |||||
Db          4 AGAACTGCTCGTCTC 18


RESULT 2047
US-09-422-978-4649/c
; Sequence 4649, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4649
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-16740 for SEQ 715,
US-09-422-978-4649

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1501 GGAGAAACACAGGAA 1515
              ||||||||| |||||
Db         16 GGAGAAACAGAGGAA 2


RESULT 2048
US-09-422-978-7270
; Sequence 7270, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7270
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-3373 for SEQ 3336,
US-09-422-978-7270

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1907 CAGATCAACAATACC 1921
              ||| ||||||||||
Db          3 CAGCTCAACAATACC 17


RESULT 2049
US-09-371-772B-1414/c
; Sequence 1414, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1414
;   LENGTH: 18
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1414

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        474 GGCCCGGCCGCCAGA 488
              | ||||||||||||||
Db         15 GACCCGGCCGCCAGA 1


RESULT 2050
US-09-371-772B-1503
; Sequence 1503, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1503
;   LENGTH: 18
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;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1503

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   60.0%;  Pred. No. 2e+03;
  Matches    9;  Conservative    5;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1340 CATTTCAGCCTGATT 1354
              ||:::|||||:|| :
Db          1 CAUUUCAGCCUGAAU 15


RESULT 2051
US-09-788-847-27/c
; Sequence 27, Application US/09788847
; Patent No. 6653078
; GENERAL INFORMATION:
;  APPLICANT: Shultz, John W
;  APPLICANT:  Lewis, Martin K.
;  APPLICANT:  Leippe, Donna
;  APPLICANT:  Mandrekar, Michelle
;  APPLICANT:  Kephart, Daniel
;  APPLICANT:  Rhodes, Richard B
;  APPLICANT:  Andrews, Christine A.
;  APPLICANT:  Hartnett, James R.
;  APPLICANT:  Gu, Trent
;  APPLICANT:  Wood, Keith V.
;  APPLICANT:  Welch, Roy
;  TITLE OF INVENTION: MULTIPLEX METHOD FOR NUCLEIC ACID DETECTION
;  FILE REFERENCE: PRO-107.0 (6868/75532)
;  CURRENT APPLICATION NUMBER: US/09/788,847
;  CURRENT FILING DATE:  2001-02-20
;  PRIOR APPLICATION NUMBER: 09/406,064
;  PRIOR FILING DATE: 1999-09-27
;  PRIOR APPLICATION NUMBER: 09/252,436
;  PRIOR FILING DATE: 1999-02-18
;  PRIOR APPLICATION NUMBER: 09/042,287
;  PRIOR FILING DATE: 1998-03-13
;  NUMBER OF SEQ ID NOS: 99
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-788-847-27

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 18;
  Best Local Similarity   93.3%;  Pred. No. 2e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        108 TTGGGGGCTGGGGGG 122
              ||||||||||| |||
Db         17 TTGGGGGCTGGAGGG 3


RESULT 2052
US-08-388-381-24
; Sequence 24, Application US/08388381
; Patent No. 5552283
;  GENERAL INFORMATION:
;    APPLICANT:  Diamandis, Eleftherios
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for p53 Mutations
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/388,381
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/271,946
;      FILING DATE:  08-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  24:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  sequencing primer for exon 2 of human p53 gene
US-08-388-381-24

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGCTGGGG 120
              ||| ||||||||||||
Db          1 GCTAGGGGGCTGGGG 15


RESULT 2053
US-08-468-037A-33
; Sequence 33, Application US/08468037A
; Patent No. 5859221
;  GENERAL INFORMATION:
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  A. Kawasaki
;    TITLE OF INVENTION:  2'-Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5859221ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/468,037A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  835,932
```

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;      FILING DATE:  05-MAR-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-468-037A-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
                | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2054
US-08-468-037A-33/c
; Sequence 33, Application US/08468037A
; Patent No. 5859221
;  GENERAL INFORMATION:
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  A. Kawasaki
;    TITLE OF INVENTION:  2'-Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5859221ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/468,037A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  835,932
;      FILING DATE:  05-MAR-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-468-037A-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
                | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2055
US-08-471-973A-33
; Sequence 33, Application US/08471973A
; Patent No. 5872232
;  GENERAL INFORMATION:
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  Andrew Kawasaki
;    TITLE OF INVENTION:  Sugar Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5872232ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/471,973A
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  835,932
;      FILING DATE:  05-MAR-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-471-973A-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
                | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2056
US-08-471-973A-33/c
; Sequence 33, Application US/08471973A
; Patent No. 5872232
;  GENERAL INFORMATION:
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  Andrew Kawasaki
;    TITLE OF INVENTION:  Sugar Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5872232ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
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;       MEDIUM TYPE:  3.5 inch disk, 720 Kb
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  WordPerfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/471,973A
;       FILING DATE:  06-JUN-1995
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  835,932
;       FILING DATE:  05-MAR-1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Joseph Lucci
;       REGISTRATION NUMBER:  33,307
;       REFERENCE/DOCKET NUMBER:  ISIS-2005
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  215-568-3100
;       TELEFAX:  215-568-3439
;   INFORMATION FOR SEQ ID NO:  33:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 bases
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-471-973A-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
                | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2057
US-08-465-880-28
; Sequence 28, Application US/08465880
; Patent No. 5955589
;  GENERAL INFORMATION:
;    APPLICANT:  Philip Dan Cook
;    TITLE OF INVENTION:  Gapped 2' Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5955589ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,880
;      FILING DATE:  Herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  244,993
;      FILING DATE:  21-JUN-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-465-880-28

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
                | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2058
US-08-465-880-28/c
; Sequence 28, Application US/08465880
; Patent No. 5955589
;  GENERAL INFORMATION:
;    APPLICANT:  Philip Dan Cook
;    TITLE OF INVENTION:  Gapped 2' Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5955589ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/465,880
;      FILING DATE:  Herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  244,993
;      FILING DATE:  21-JUN-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-465-880-28

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
                | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2059
US-09-035-357-33
; Sequence 33, Application US/09035357
; Patent No. 6005087
;  GENERAL INFORMATION:
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  A. Kawasaki
;    TITLE OF INVENTION:  2'-Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
```

```
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 6005087ris
;       STREET:  One Liberty Place - 46th Floor
;       CITY:  Philadelphia
;       STATE:  PA
;       COUNTRY:  U.S.A.
;       ZIP:  19103
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5 inch disk, 720 Kb
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  WordPerfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/035,357
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/468,037
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Joseph Lucci
;       REGISTRATION NUMBER:  33,307
;       REFERENCE/DOCKET NUMBER:  ISIS-2004
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  215-568-3100
;       TELEFAX:  215-568-3439
;   INFORMATION FOR SEQ ID NO:  33:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 bases
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-035-357-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
                | ||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2060
US-09-035-357-33/c
; Sequence 33, Application US/09035357
; Patent No. 6005087
;  GENERAL INFORMATION:
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  A. Kawasaki
;    TITLE OF INVENTION:  2'-Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 6005087ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/035,357
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/468,037
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-035-357-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
                | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2061
US-08-765-626-24
; Sequence 24, Application US/08765626
; Patent No. 6071726
;  GENERAL INFORMATION:
;    APPLICANT:  Visible Genetics Inc.
;    APPLICANT:  Diamandis, Eleftherios
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for p53 Mutations
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/765,626
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/08605
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/388,381
;      FILING DATE:  14-FEB-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  24:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
```

```
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  sequencing primer for exon 2 of human p53 gene
US-08-765-626-24

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        106 GCTTGGGGGCTGGGG 120
              ||| ||||||||||
Db          1 GCTAGGGGGCTGGGG 15


RESULT 2062
US-09-016-520-4
; Sequence 4, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
              | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2063
US-09-016-520-4/c
; Sequence 4, Application US/09016520A
; Patent No. 6127533
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Kawasaki, Andrew
;  TITLE OF INVENTION: Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE: ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/016,520A
;  CURRENT FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  NUMBER OF SEQ ID NOS: 47
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-016-520-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
              | |||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2064
US-09-144-611-12
; Sequence 12, Application US/09144611A
; Patent No. 6146829
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Monia, Brett P
;  TITLE OF INVENTION:  Gapped 2' Modified Oligonucleotides
;  FILE REFERENCE:  ISIS3153
;  CURRENT APPLICATION NUMBER: US/09/144,611A
;  CURRENT FILING DATE:  1998-08-31
;  PRIOR APPLICATION NUMBER:  08/861,306
;  PRIOR FILING DATE:  1997-04-21
;  NUMBER OF SEQ ID NOS:  12
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6146829el
;   OTHER INFORMATION: Sequence
US-09-144-611-12

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
              | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2065
US-09-144-611-12/c
; Sequence 12, Application US/09144611A
; Patent No. 6146829
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Monia, Brett P
;  TITLE OF INVENTION:  Gapped 2' Modified Oligonucleotides
;  FILE REFERENCE:  ISIS3153
;  CURRENT APPLICATION NUMBER: US/09/144,611A
;  CURRENT FILING DATE:  1998-08-31
;  PRIOR APPLICATION NUMBER:  08/861,306
;  PRIOR FILING DATE:  1997-04-21
;  NUMBER OF SEQ ID NOS:  12
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6146829el
;   OTHER INFORMATION: Sequence
US-09-144-611-12

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
```

```
                    | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2066
US-09-130-973-4
; Sequence 4, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
                | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2067
US-09-130-973-4/c
; Sequence 4, Application US/09130973
; Patent No. 6172209
; GENERAL INFORMATION:
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Cook, Phillip Dan
;  APPLICANT:  Prakash, Thazha P
;  APPLICANT:  Kawasaki, Andrew M
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides And Methods For
;  TITLE OF INVENTION:  Making Same
;  FILE REFERENCE:  ISIS2955
;  CURRENT APPLICATION NUMBER: US/09/130,973
;  CURRENT FILING DATE:  1998-08-07
;  NUMBER OF SEQ ID NOS:  58
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  No. 6172209el
;   OTHER INFORMATION: Sequence
US-09-130-973-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
                | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2068
US-09-477-902-4
; Sequence 4, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
                | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2069
US-09-477-902-4/c
; Sequence 4, Application US/09477902
; Patent No. 6194598
; GENERAL INFORMATION:
;  APPLICANT:  Cook, Phillip D
;  APPLICANT:  Manoharan, Muthiah
;  APPLICANT:  Kawasaki, Andrew
;  TITLE OF INVENTION:  Aminooxy-Modified Oligonucleotides
;  FILE REFERENCE:  ISIS2824
;  CURRENT APPLICATION NUMBER: US/09/477,902
;  CURRENT FILING DATE:  2000-01-05
;  PRIOR APPLICATION NUMBER:  09/016,520
;  PRIOR FILING DATE:  1998-01-30
;  PRIOR APPLICATION NUMBER:  60/037,143
;  PRIOR FILING DATE:  1997-02-14
;  NUMBER OF SEQ ID NOS:  47
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
US-09-477-902-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
                | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2070
US-09-101-886B-13
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; Sequence 13, Application US/09101886B
; Patent No. 6197507
;  GENERAL INFORMATION:
;    APPLICANT:  BERG, THOMAS
;    APPLICANT:  TOLLERSRUD, OLE K
;    APPLICANT:  NILSSEN, OIVIND
;    TITLE OF INVENTION:  GENETIC TEST FOR ALPHA-MANNOSIDOSIS
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BARBARA G. ERNST
;      STREET:  555 13TH STREET, NW  SUITE 701E
;      CITY:  WASHINGTON
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/101,886B
;      FILING DATE:  29-JANUARY-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/GB97/00109
;      FILING DATE:  12-JAN-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  ERNST, BARBARA G
;      REGISTRATION NUMBER:  30,377
;      REFERENCE/DOCKET NUMBER:  1181-240
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-783-6040
;      TELEFAX:  202-783-6031
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligonucleotide"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-101-886B-13

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        560 GAGGCGGGCGCGGTG 574
              ||||||||  ||||||
Db          4 GAGGCGGGAGCGGTG 18


RESULT 2071
US-09-101-886B-17/c
; Sequence 17, Application US/09101886B
; Patent No. 6197507
;  GENERAL INFORMATION:
;    APPLICANT:  BERG, THOMAS
;    APPLICANT:  TOLLERSRUD, OLE K
;    APPLICANT:  NILSSEN, OIVIND
;    TITLE OF INVENTION:  GENETIC TEST FOR ALPHA-MANNOSIDOSIS
;    NUMBER OF SEQUENCES:  104
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BARBARA G. ERNST
;      STREET:  555 13TH STREET, NW  SUITE 701E
;      CITY:  WASHINGTON
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/101,886B
;      FILING DATE:  29-JANUARY-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/GB97/00109
;      FILING DATE:  12-JAN-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  ERNST, BARBARA G
;      REGISTRATION NUMBER:  30,377
;      REFERENCE/DOCKET NUMBER:  1181-240
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-783-6040
;      TELEFAX:  202-783-6031
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligonucleotide"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-09-101-886B-17

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        560 GAGGCGGGCGCGGTG 574
              ||||||||  ||||||
Db         16 GAGGCGGGAGCGGTG 2


RESULT 2072
US-09-327-796-3/c
; Sequence 3, Application US/09327796
; Patent No. 6255112
; GENERAL INFORMATION:
;  APPLICANT: Thiede, Mark A
;  APPLICANT: Mbalaviele, Gabriel
;  TITLE OF INVENTION: Regulation of Hematopoietic Stem Cell Differentiation
;  TITLE OF INVENTION: By the Use of Human Mesenchymal Stem Cells
;  FILE REFERENCE: 640100-332
;  CURRENT APPLICATION NUMBER: US/09/327,796
;  CURRENT FILING DATE: 1999-06-08
;  EARLIER APPLICATION NUMBER: 60/099,233
;  EARLIER FILING DATE: 1998-09-04
;  EARLIER APPLICATION NUMBER: 60/088,431
;  EARLIER FILING DATE: 1998-06-08
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:PCR primer
US-09-327-796-3

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1412 ATCAAAGAAGCCCTG 1426
              | ||||||||||||||
Db         19 AACAAAGAAGCCCTG 5
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RESULT 2073
US-09-453-514A-12
; Sequence 12, Application US/09453514A
; Patent No. 6326199
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT:  Monia, Brett P.
;  TITLE OF INVENTION: Gapped 2-Modified Oligonucleotides
;  FILE REFERENCE: ISIS-4291
;  CURRENT APPLICATION NUMBER: US/09/453,514A
;  CURRENT FILING DATE:  1999-12-01
;  PRIOR APPLICATION NUMBER: 09/144,611
;  PRIOR FILING DATE: 1998-08-31
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: No. 6326199el Sequence
US-09-453-514A-12

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
                | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2074
US-09-453-514A-12/c
; Sequence 12, Application US/09453514A
; Patent No. 6326199
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT:  Monia, Brett P.
;  TITLE OF INVENTION: Gapped 2-Modified Oligonucleotides
;  FILE REFERENCE: ISIS-4291
;  CURRENT APPLICATION NUMBER: US/09/453,514A
;  CURRENT FILING DATE:  1999-12-01
;  PRIOR APPLICATION NUMBER: 09/144,611
;  PRIOR FILING DATE: 1998-08-31
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   OTHER INFORMATION: No. 6326199el Sequence
US-09-453-514A-12

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
                | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2075
US-09-135-202-33
; Sequence 33, Application US/09135202
; Patent No. 6399754
;  GENERAL INFORMATION:
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  Andrew Kawasaki
;    TITLE OF INVENTION:  Sugar Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 6399754ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/135,202
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/471,973
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-135-202-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
                | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2076
US-09-135-202-33/c
; Sequence 33, Application US/09135202
; Patent No. 6399754
;  GENERAL INFORMATION:
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  Andrew Kawasaki
;    TITLE OF INVENTION:  Sugar Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 6399754ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/135,202
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/471,973
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;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-135-202-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
              | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2077
US-08-802-331-29
; Sequence 29, Application US/08802331
; Patent No. 6451991
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D.
;  APPLICANT:  Monia, Brett
;  APPLICANT:  Martin, Pierre
;  APPLICANT:  Altman, Karl-Heinz
;  TITLE OF INVENTION: Sugar-Modified Gapped Oligonucleotides
;  FILE REFERENCE: ISNO0083
;  CURRENT APPLICATION NUMBER: US/08/802,331
;  CURRENT FILING DATE:  1997-02-11
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6451991el Sequence
US-08-802-331-29

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
              | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2078
US-08-802-331-29/c
; Sequence 29, Application US/08802331
; Patent No. 6451991
; GENERAL INFORMATION:
;  APPLICANT: Cook, Phillip D.
;  APPLICANT:  Monia, Brett
;  APPLICANT:  Martin, Pierre
;  APPLICANT:  Altman, Karl-Heinz
;  TITLE OF INVENTION: Sugar-Modified Gapped Oligonucleotides
;  FILE REFERENCE: ISNO0083
;  CURRENT APPLICATION NUMBER: US/08/802,331
;  CURRENT FILING DATE:  1997-02-11
;  NUMBER OF SEQ ID NOS: 32
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 29
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6451991el Sequence
US-08-802-331-29

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
              | ||||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2079
US-09-389-283-33
; Sequence 33, Application US/09389283
; Patent No. 6531584
;  GENERAL INFORMATION:
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  A. Kawasaki
;    TITLE OF INVENTION:  2'-Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 6531584ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/389,283
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/035,357
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-389-283-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
              | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2080
US-09-389-283-33/c
; Sequence 33, Application US/09389283
; Patent No. 6531584
;  GENERAL INFORMATION:
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```
;    APPLICANT:  Phillip Dan Cook
;    APPLICANT:  A. Kawasaki
;    TITLE OF INVENTION:  2'-Modified Oligonucleotides
;    NUMBER OF SEQUENCES:  37
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 6531584ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 720 Kb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/389,283
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/035,357
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Joseph Lucci
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-2004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-389-283-33

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
                | ||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2081
US-09-370-541-4
; Sequence 4, Application US/09370541
; Patent No. 6639062
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT: Prakash, Thazha P
;  APPLICANT: Kawasaki, Andrew M
;  TITLE OF INVENTION: Aminoxxy-Modified Nucleosidic Compounds And Oligomeric
;  TITLE OF INVENTION: Compounds Prepared Therefrom
;  FILE REFERENCE: ISIS3993
;  CURRENT APPLICATION NUMBER: US/09/370,541
;  CURRENT FILING DATE: 1999-08-09
;  EARLIER APPLICATION NUMBER: 09/130,973
;  EARLIER FILING DATE: 1998-08-07
;  EARLIER APPLICATION NUMBER: 09/016,520
;  EARLIER FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  EARLIER APPLICATION NUMBER: 09/344,260
;  EARLIER FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: antisense
;   OTHER INFORMATION: sequence
US-09-370-541-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAA 2799
                | ||||||||||||||
Db          2 GCAAAAAAAAAAAAA 16


RESULT 2082
US-09-370-541-4/c
; Sequence 4, Application US/09370541
; Patent No. 6639062
; GENERAL INFORMATION:
;  APPLICANT: Manoharan, Muthiah
;  APPLICANT: Cook, Phillip Dan
;  APPLICANT: Prakash, Thazha P
;  APPLICANT: Kawasaki, Andrew M
;  TITLE OF INVENTION: Aminoxxy-Modified Nucleosidic Compounds And Oligomeric
;  TITLE OF INVENTION: Compounds Prepared Therefrom
;  FILE REFERENCE: ISIS3993
;  CURRENT APPLICATION NUMBER: US/09/370,541
;  CURRENT FILING DATE: 1999-08-09
;  EARLIER APPLICATION NUMBER: 09/130,973
;  EARLIER FILING DATE: 1998-08-07
;  EARLIER APPLICATION NUMBER: 09/016,520
;  EARLIER FILING DATE: 1998-01-30
;  EARLIER APPLICATION NUMBER: 60/037,143
;  EARLIER FILING DATE: 1997-02-14
;  EARLIER APPLICATION NUMBER: 09/344,260
;  EARLIER FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: antisense
;   OTHER INFORMATION: sequence
US-09-370-541-4

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTT 2178
                | ||||||||||||
Db         18 CGTTTTTTTTTTTTT 4


RESULT 2083
US-09-672-717-183/c
; Sequence 183, Application US/09672717
; Patent No. 6673917
; GENERAL INFORMATION:
;  APPLICANT: Korneluk, Robert G.
;  APPLICANT:  LaCasse, Eric
;  APPLICANT:  Baird, Stephen
;  APPLICANT:  Holcik, Martin
;  APPLICANT:  Young, Sean
;  TITLE OF INVENTION: Antisense IAP Nucleic Acids and Uses
;  TITLE OF INVENTION:  Thereof
;  FILE REFERENCE: 07891/025001
;  CURRENT APPLICATION NUMBER: US/09/672,717
;  CURRENT FILING DATE:  2000-09-28
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;  NUMBER OF SEQ ID NOS: 231
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 183
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: based on Homo sapiens
US-09-672-717-183

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1084 AGAAGGTGAAGCTGT 1098
              ||||| |||||||||
Db         15 AGAAGCTGAAGCTGT 1


RESULT 2084
PCT-US95-08605-24
; Sequence 24, Application PC/TUS9508605
;  GENERAL INFORMATION:
;    APPLICANT:  Visible Genetics Inc.
;    APPLICANT:  Diamandis, Eleftherios
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for p53 Mutations
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/08605
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/271,946
;      FILING DATE:  08-JUL-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/388,381
;      FILING DATE:  14-FEB-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  24:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  sequencing primer for exon 2 of human p53 gene
PCT-US95-08605-24

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 2.3e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       106 GCTTGGGGGCTGGGG 120
             ||| ||||||||||||
Db         1 GCTAGGGGGCTGGGG 15


RESULT 2085
US-07-976-103A-14
; Sequence 14, Application US/07976103A
; Patent No. 5645985
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/976,103A
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  6
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
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;      LOCATION:  20
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
US-07-976-103A-14

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2183
              |||| ||  |||||| ||
Db          2 TTTTNTTNATTTTTTNTT 19


RESULT 2086
US-07-976-103A-14/c
; Sequence 14, Application US/07976103A
; Patent No. 5645985
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/976,103A
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  6
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  20
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
US-07-976-103A-14

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              || ||||||  || ||||
Db         19 AANAAAAAATNAANAAAA 2


RESULT 2087
US-08-507-431-35/c
; Sequence 35, Application US/08507431
; Patent No. 5693518
;  GENERAL INFORMATION:
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Heldt-Hansen, Hans P.
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Si, Joan Q.
;    APPLICANT:  Jacobson, Tina
;    APPLICANT:  Munk, Niels
;    APPLICANT:  Mullertz, Anette
;    TITLE OF INVENTION:  ENZYMES WITH XYLANASE ACTIVITY FROM
;    TITLE OF INVENTION:  ASPERGILLUS ACULEATUS
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 5693518o No. 5693518disk of No. 5693518th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/507,431
;      FILING DATE:  15-FEB-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/002,800
;      FILING DATE:  25-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Harrington, James J.
;      REGISTRATION NUMBER:  38,711
;      REFERENCE/DOCKET NUMBER:  3954.204-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-507-431-35

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
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Qy          51 GCGGCGGGGGCGGCG 65
               ||||||||||| |||
Db          19 GCGGCGGGGGCAGCG 5


RESULT 2088
US-08-271-880A-180/c
; Sequence 180, Application US/08271880A
; Patent No. 5693535
;  GENERAL INFORMATION:
;    APPLICANT:  Kenneth G. Draper
;    APPLICANT:  Bharat Chowrira
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James D. Thompson
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR INHIBITING
;    TITLE OF INVENTION:  HUMAN IMMUNODEFICIENCY VIRUS
;    TITLE OF INVENTION:  REPLICATION
;    NUMBER OF SEQUENCES:  232
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,880A
;      FILING DATE:  July 7, 1994
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including appplication
;    PRIOR APPLICATION DATA:  described below:             two
;      APPLICATION NUMBER:  08/103,243
;      FILING DATE:  August 6, 1993
;      APPLICATION NUMBER:  07/882,886
;      FILING DATE:  May 14, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  206/116
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  180:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-271-880A-180

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1495 GAAAATGGAGAAACA 1509
              ||||||||| |||||
Db         19 GAAAATGGATAAACA 5


RESULT 2089
US-08-473-481-14
; Sequence 14, Application US/08473481
; Patent No. 5830653
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/473,481
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/976,103
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/965,941
;      FILING DATE:  23-OCT-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,352
;      FILING DATE:  14-NOV-1994
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/935,444
;      FILING DATE:  25-AUG-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/799,824
;      FILING DATE:  26-NOV-1991
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3D
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  6
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /note= "This position is C' =
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;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  20
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
US-08-473-481-14

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2183
                ||||  ||  ||||||  ||
Db          2 TTTTNTTNATTTTTTNTT 19


RESULT 2090
US-08-473-481-14/c
; Sequence 14, Application US/08473481
; Patent No. 5830653
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/473,481
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/976,103
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/965,941
;      FILING DATE:  23-OCT-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,352
;      FILING DATE:  14-NOV-1994
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/935,444
;      FILING DATE:  25-AUG-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/799,824
;      FILING DATE:  26-NOV-1991
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3D
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  6
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  20
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
US-08-473-481-14

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
                ||  ||||||  ||  ||||
Db         19 AANAAAAAAATNAANAAAA 2


RESULT 2091
US-08-441-887A-324/c
; Sequence 324, Application US/08441887A
; Patent No. 5837832
;  GENERAL INFORMATION:
;    APPLICANT:  Chee, Mark
;    APPLICANT:  Cronin, Maureen T.
;    APPLICANT:  Fodor, Stephen P.A.
;    APPLICANT:  Huang, Xiaohua X.
;    APPLICANT:  Hubbell, Earl A.
;    APPLICANT:  Lipshutz, Robert J.
;    APPLICANT:  Lobban, Peter E.
;    APPLICANT:  Morris, Macdonald S.
;    APPLICANT:  Sheldon, Edward L.
;    TITLE OF INVENTION:  Arrays of Nucleic Acid Probes on
;    TITLE OF INVENTION:  Biological Chips
;    NUMBER OF SEQUENCES:  360
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/441,887A
;      FILING DATE:  16-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
```

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;      APPLICATION NUMBER:  US 08/143,312
;      FILING DATE:  26-OCT-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/082,937
;      FILING DATE:  25-JUN-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Liebeschuetz, Joseph O.
;      REGISTRATION NUMBER:  37,505
;      REFERENCE/DOCKET NUMBER:  018547-004160US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-326-2400
;      TELEFAX:  650-326-2422
;  INFORMATION FOR SEQ ID NO:  324:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (probe)
US-08-441-887A-324

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2205 TTCAAATGGGAGACT 2219
                || ||||||||||||
Db         18 TTAAAATGGGAGACT 4


RESULT 2092
US-08-902-655A-35/c
; Sequence 35, Application US/08902655A
; Patent No. 5885819
;  GENERAL INFORMATION:
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Heldt-Hansen, Hans P.
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Si, Joan Q.
;    APPLICANT:  Jacobson, Tina
;    APPLICANT:  Munk, Niels
;    APPLICANT:  Mullertz, Anette
;    TITLE OF INVENTION:  ENZYMES WITH XYLANASE ACTIVITY FROM
;    TITLE OF INVENTION:  ASPERGILLUS ACULEATUS
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 5885819o No. 5885819disk of No. 5885819th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/902,655A
;      FILING DATE:  30-July-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Agris, Cheryl T.
;      REGISTRATION NUMBER:  34,086
;      REFERENCE/DOCKET NUMBER:  3954.214-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-902-655A-35

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCG 65
              ||||||||||| |||
Db         19 GCGGCGGGGGCAGCG 5


RESULT 2093
US-08-529-878B-25/c
; Sequence 25, Application US/08529878B
; Patent No. 5932556
;  GENERAL INFORMATION:
;    APPLICANT:  Tam, Robert C.
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  REGULATION OF CD28 EXPRESSION
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Crockett & Fish
;      STREET:  3000 S. Augusta Court
;      CITY:  La Habra
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  90631
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/529,878B
;      FILING DATE:  13-SEP-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fish, Robert D.
;      REGISTRATION NUMBER:  33,880
;      REFERENCE/DOCKET NUMBER:  213/003
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-525-3433
;      TELEFAX:  714-525-3303
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-529-878B-25

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1529 GAAGAAAGGTTAGGA 1543
              ||||||||| |||||
Db         15 GAAGAAAGGCTAGGA 1


RESULT 2094
US-08-910-408-180/c
; Sequence 180, Application US/08910408
; Patent No. 5972704
;  GENERAL INFORMATION:
```

```
;    APPLICANT:  Kenneth G. Draper
;    APPLICANT:  Bharat Chowrira
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James D. Thompson
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR INHIBITING
;    TITLE OF INVENTION:  HUMAN IMMUNODEFICIENCY VIRUS
;    TITLE OF INVENTION:  REPLICATION
;    NUMBER OF SEQUENCES:  232
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/910,408
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/271,880
;      FILING DATE:  July 7, 1994
;      APPLICATION NUMBER:  08/103,243
;      FILING DATE:  August 6, 1993
;      APPLICATION NUMBER:  07/882,886
;      FILING DATE:  May 14, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  206/116
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  180:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-910-408-180

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1495 GAAAATGGAGAAACA 1509
              ||||||||| |||||
Db         19 GAAAATGGATAAACA 5


RESULT 2095
US-08-055-105-1
; Sequence 1, Application US/08055105
; Patent No. 6018096
;  GENERAL INFORMATION:
;    APPLICANT:  Keating, A.
;    APPLICANT:  Wu, D.
;    TITLE OF INVENTION:  Animal Model for Engraftment,
;    TITLE OF INVENTION:  Proliferation and Differentiation of Human Hematopoietic
;    TITLE OF INVENTION:  Stem Cells
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/055,105
;      FILING DATE:  03-MAY-1993
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  18740/124
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202 672-5300
;      TELEFAX:  202 672-5399
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-055-105-1

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2685 TGAAATGGAGATTTG 2699
              | |||||||||||||
Db          6 TCAAATGGAGATTTG 20


RESULT 2096
US-08-544-381B-224/c
; Sequence 224, Application US/08544381B
; Patent No. 6027880
;  GENERAL INFORMATION:
;    APPLICANT:  Cronin, Maureen T.
;    APPLICANT:  Miyada, Charles Garrett
;    APPLICANT:  Hubbell, Earl A.
;    APPLICANT:  Chee, Mark
;    APPLICANT:  Fodor, Stephen P.A.
;    APPLICANT:  Huang, Xiaohua C.
;    APPLICANT:  Lipshutz, Robert J.
;    APPLICANT:  Lobban, Peter E.
;    APPLICANT:  Morris, Macdonald S.
;    APPLICANT:  Sheldon, Edward L.
;    TITLE OF INVENTION:  Arrays of Nucleic Acid Probes for
;    TITLE OF INVENTION:  Detecting Cystic Fibrosis
;    NUMBER OF SEQUENCES:  250
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, 8th Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/544,381B
;      FILING DATE:  10-OCT-1995
;      CLASSIFICATION:  435
```

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;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/510,521
;      FILING DATE:  02-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/12305
;      FILING DATE:  26-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/284,064
;      FILING DATE:  02-AUG-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/143,312
;      FILING DATE:  26-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Liebeschuetz, Joe
;      REGISTRATION NUMBER:  37,505
;      REFERENCE/DOCKET NUMBER:  018547-004130US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-576-0200
;      TELEFAX:  415-576-0300
;  INFORMATION FOR SEQ ID NO:  224:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (probe)
US-08-544-381B-224

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2205 TTCAAATGGGAGACT 2219
                || |||||||||||
Db         18 TTAAAATGGGAGACT 4


RESULT 2097
US-09-359-757-11/c
; Sequence 11, Application US/09359757
; Patent No. 6080546
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: William Gaarde
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK5 EXPRESSION
;  FILE REFERENCE: RTS-0078
;  CURRENT APPLICATION NUMBER: US/09/359,757
;  CURRENT FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 11
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-359-757-11

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        264 CCTCCGCCGGGCAGC 278
                || |||||||||||
Db         16 CCGCCGCCGGGCAGC 2


RESULT 2098
US-09-116-622-35/c
; Sequence 35, Application US/09116622
; Patent No. 6080567
;  GENERAL INFORMATION:
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Heldt-Hansen, Hans P.
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Si, Joan Q.
;    APPLICANT:  Jacobson, Tina
;    APPLICANT:  Munk, Niels
;    APPLICANT:  Mullertz, Anette
;    TITLE OF INVENTION:  ENZYMES WITH XYLANASE ACTIVITY FROM
;    TITLE OF INVENTION:  ASPERGILLUS ACULEATUS
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6080567o No. 6080567disk of No. 6080567th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/116,622
;      FILING DATE:  16-July-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Agris, Cheryl H.
;      REGISTRATION NUMBER:  34,086
;      REFERENCE/DOCKET NUMBER:  3954.224-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-116-622-35

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCG 65
                ||||||||||| |||
Db         19 GCGGCGGGGGCAGCG 5


RESULT 2099
US-09-410-028-9
; Sequence 9, Application US/09410028
; Patent No. 6107471
; GENERAL INFORMATION:
;  APPLICANT: ARAHIRA, Masaomi
;  APPLICANT: FUKAZAWA, Chikafusa
;  TITLE OF INVENTION: PLANT-DERIVED, ASPARAGINE RESIDUE-SPECIFIC ENDOPROTEASE
;  TITLE OF INVENTION: CDNA AND A GENE
;  FILE REFERENCE: 8361-0007-0
;  CURRENT APPLICATION NUMBER: US/09/410,028
;  CURRENT FILING DATE: 1999-10-01
;  EARLIER APPLICATION NUMBER: JP 327537/1998
;  EARLIER FILING DATE: 1998-11-04
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
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;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:primer
US-09-410-028-9

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   63.2%;  Pred. No. 2.6e+03;
  Matches   12;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1135 CGAATTTCCTAGTAAACCA 1153
              | ||:||: |:|| ||:||
Db          2 CNAAYTTYATHGTNAAYCA 20


RESULT 2100
US-09-035-220-44/c
; Sequence 44, Application US/09035220
; Patent No. 6130042
;  GENERAL INFORMATION:
;    APPLICANT:  Diehl, Scott R.
;    APPLICANT:  Schenkein, Harvey A.
;    APPLICANT:  Wang, Yue-Fen
;    TITLE OF INVENTION:  Compositions and Methods for Diagnosing
;    TITLE OF INVENTION:  Periodontal Disease
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll, LLP
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/035,220
;      FILING DATE:  05-MAR-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Carroll, Peter G.
;      REGISTRATION NUMBER:  32,837
;      REFERENCE/DOCKET NUMBER:  NIH-05027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  44:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "DNA"
US-09-035-220-44

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2448 TTTGAGACATGGGAT 2462
              ||||| |||||||||
Db         19 TTTGACACATGGGAT 5


RESULT 2101
US-09-249-215-180/c
; Sequence 180, Application US/09249215
; Patent No. 6159692
;   GENERAL INFORMATION:
;        APPLICANT: Kenneth G. Draper
;                   Bharat Chowrira
;                   James McSwiggen
;                   Dan T. Stinchcomb
;                   James D. Thompson
;        TITLE OF INVENTION: METHOD AND REAGENT FOR INHIBITING
;                            HUMAN IMMUNODEFICIENCY VIRUS
;                            REPLICATION
;        NUMBER OF SEQUENCES: 232
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Lyon & Lyon
;             STREET: 633 West Fifth Street
;                     Suite 4700
;             CITY: Los Angeles
;             STATE: California
;             COUNTRY: U.S.A.
;             ZIP: 90071
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;                          storage
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: IBM P.C. DOS 5.0
;             SOFTWARE: FastSEQ Version 1.5
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/249,215
;             FILING DATE: 12-Feb-1999
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/910,408
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: 08/103,243
;             FILING DATE: August 6, 1993
;             APPLICATION NUMBER: 07/882,886
;             FILING DATE: May 14, 1992
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Warburg, Richard
;             REGISTRATION NUMBER: 32,327
;             REFERENCE/DOCKET NUMBER: 206/116
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (213) 489-1600
;             TELEFAX: (213) 955-0440
;             TELEX: 67-3510
;   INFORMATION FOR SEQ ID NO: 180:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 180:
US-09-249-215-180

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1495 GAAAATGGAGAAACA 1509
              ||||||||| |||||
Db         19 GAAAATGGATAAACA 5


RESULT 2102
US-09-288-461-100/c
; Sequence 100, Application US/09288461
; Patent No. 6159694
; GENERAL INFORMATION:
;  APPLICANT: Karras, James G.
;  TITLE OF INVENTION: Antisense Oligonucleotide Modulation of STAT3
;  TITLE OF INVENTION: Expression
;  FILE REFERENCE: ISPH-0338
;  CURRENT APPLICATION NUMBER: US/09/288,461
;  CURRENT FILING DATE: 1999-04-08
;  NUMBER OF SEQ ID NOS: 107
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 100
;   LENGTH: 20
;   TYPE: DNA
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;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-09-288-461-100

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2673 AGTGTGTGTGGGTGA 2687
              |||| ||||||||||
Db         16 AGTGAGTGTGGGTGA 2


RESULT 2103
US-09-433-699-14/c
; Sequence 14, Application US/09433699B
; Patent No. 6165786
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF NUCLEOLIN EXPRESSION
;  FILE REFERENCE: RTS-0109
;  CURRENT APPLICATION NUMBER: US/09/433,699B
;  CURRENT FILING DATE: 1999-11-03
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-433-699-14

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        414 ACGCCGCCGCCATCA 428
              || ||||||||||||
Db         18 ACTCCGCCGCCATCA 4


RESULT 2104
US-09-167-921-16/c
; Sequence 16, Application US/09167921A
; Patent No. 6172216
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Dean, Nicholas M.
;  APPLICANT: Monia, Brett P.
;  APPLICANT: Nickoloff, Brian J.
;  APPLICANT: Zhang, QingQing
;  TITLE OF INVENTION: Antisense Modulation of bcl-x Expression
;  FILE REFERENCE: ISPH-0324
;  CURRENT APPLICATION NUMBER: US/09/167,921A
;  CURRENT FILING DATE: 1998-10-07
;  NUMBER OF SEQ ID NOS: 50
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: control sequence
US-09-167-921-16

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2104 CGGGGGCCTTCTGGT 2118
              ||||| |||||||||
Db         20 CGGGGTCCTTCTGGT 6


RESULT 2105
US-09-280-805-214/c
; Sequence 214, Application US/09280805
; Patent No. 6184212
;  GENERAL INFORMATION:
;    APPLICANT:  Loren J. Miraglia, Pamela Nero, Mark J.
;    APPLICANT:  Graham, Brett P. Monia
;    TITLE OF INVENTION:  ANTISENSE MODULATION OF HUMAN MDM2
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  271
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  U.S.A.
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PC
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/280,805
;      FILING DATE:  herewith
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/048,810
;      FILING DATE:  March 26, 1998
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Licata, Jane Massey
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0346
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  609-810-1515
;      TELEFAX:  609-810-1454
;  INFORMATION FOR SEQ ID NO:  214:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-280-805-214

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2520 TTTATTCATATATAT 2534
              |||||||| ||||||
Db         15 TTTATTCACATATAT 1


RESULT 2106
US-09-517-584A-13
; Sequence 13, Application US/09517584A
; Patent No. 6187587
; GENERAL INFORMATION:
;  APPLICANT:      Ian Popoff
;  APPLICANT:  Vickie L. Brown-Driver
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF E2F TRANSCRIPTION FACTOR 1 EXPRESSIC
;  FILE REFERENCE:      RTS-0121
;  CURRENT APPLICATION NUMBER: US/09/517,584A
;  CURRENT FILING DATE:  2000-03-22
;  NUMBER OF SEQ ID NOS:      89
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
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;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-584A-13

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         53 GGCGGGGGCGGCGGC 67
              ||||| |||||||||
Db          3 GGCGGCGGCGGCGGC 17


RESULT 2107
US-09-219-277-35/c
; Sequence 35, Application US/09219277
; Patent No. 6197564
;  GENERAL INFORMATION:
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Heldt-Hansen, Hans P.
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Si, Joan Q.
;    APPLICANT:  Jacobson, Tina
;    APPLICANT:  Munk, Niels
;    APPLICANT:  Mullertz, Anette
;    TITLE OF INVENTION:  ENZYMES WITH XYLANASE ACTIVITY FROM
;    TITLE OF INVENTION:  ASPERGILLUS ACULEATUS
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6197564o No. 6197564disk of No. 6197564th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/219,277
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/116,622
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Agris, Cheryl H.
;      REGISTRATION NUMBER:  34,086
;      REFERENCE/DOCKET NUMBER:  3954.224-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-219-277-35

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCG 65
              |||||||||||  |||
Db         19 GCGGCGGGGGCAGCG 5


RESULT 2108
US-09-290-640-78
; Sequence 78, Application US/09290640
; Patent No. 6204055
; GENERAL INFORMATION:
;  APPLICANT: Dean, Nicholas M.
;  APPLICANT: Marcusson, Eric G.
;  TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling
;  FILE REFERENCE: ISPH-0351
;  CURRENT APPLICATION NUMBER: US/09/290,640
;  CURRENT FILING DATE: 1999-04-12
;  NUMBER OF SEQ ID NOS: 85
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 78
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Sequence
US-09-290-640-78

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2441 CGACTTTTTTGAGAC 2455
              || ||||||||||||
Db          1 CGGCTTTTTTGAGAC 15


RESULT 2109
US-09-323-743-16/c
; Sequence 16, Application US/09323743
; Patent No. 6214986
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Dean, Nicholas M.
;  APPLICANT: Monia, Brett P.
;  APPLICANT: Nickoloff, Brian J.
;  APPLICANT: Zhang, QingQing
;  TITLE OF INVENTION: Antisense Modulation of bcl-x Expression
;  FILE REFERENCE: ISPH-0368
;  CURRENT APPLICATION NUMBER: US/09/323,743
;  CURRENT FILING DATE: 1999-06-01
;  EARLIER APPLICATION NUMBER: 09/277,020
;  EARLIER FILING DATE: 1998-03-26
;  EARLIER APPLICATION NUMBER: 09/167,921
;  EARLIER FILING DATE: 1998-10-07
;  NUMBER OF SEQ ID NOS: 66
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-323-743-16

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2104 CGGGGGCCTTCTGGT 2118
              ||||| |||||||||
Db         20 CGGGGTCCTTCTGGT 6


RESULT 2110
US-09-599-661-35/c
; Sequence 35, Application US/09599661
```

```
; Patent No. 6228630
;  GENERAL INFORMATION:
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Markus S.
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Heldt-Hansen, Hans P.
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Si, Joan Q.
;    APPLICANT:  Jacobson, Tina
;    APPLICANT:  Munk, Niels
;    APPLICANT:  Mullertz, Anette
;    TITLE OF INVENTION:  ENZYMES WITH XYLANASE ACTIVITY FROM
;    TITLE OF INVENTION:  ASPERGILLUS ACULEATUS
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 6228630o No. 6228630disk of No. 6228630th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/599,661
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/116,622
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Agris, Cheryl H.
;      REGISTRATION NUMBER:  34,086
;      REFERENCE/DOCKET NUMBER:  3954.224-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-599-661-35

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCG 65
              ||||||||||| |||
Db         19 GCGGCGGGGGCAGCG 5


RESULT 2111
US-09-313-932-467/c
; Sequence 467, Application US/09313932A
; Patent No. 6228642
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
;  TITLE OF INVENTION: EXPRESSION
;  FILE REFERENCE: ISPH-0356
;  CURRENT APPLICATION NUMBER: US/09/313,932A
;  CURRENT FILING DATE: 1999-05-18
;  NUMBER OF SEQ ID NOS: 501
; SEQ ID NO 467
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-313-932-467

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2098 TTCAAACGGGGGCCT 2112
              ||||||| |||||||
Db         16 TTCAAACTGGGGCCT 2


RESULT 2112
US-08-338-352-15
; Sequence 15, Application US/08338352
; Patent No. 6235887
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  JONES, ROBERT J.
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION DIRECTED BY OLIGONUCLEOTIDES CONTAINING MODIFIED
;    TITLE OF INVENTION:  PYRIMIDINES
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/338,352
;      FILING DATE:  14-NOV-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/935,444
;      FILING DATE:  25-AUG-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MURASHIGE, KATE H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  24610-20035.20
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 813-5600
;      TELEFAX:  (415) 494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  6
;      OTHER INFORMATION:  /note= "This position is C' = 5
;      OTHER INFORMATION:  methyl cytosine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /note= "This position is C' = 5
;      OTHER INFORMATION:  methyl cytosine."
;    FEATURE:
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;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /note= "This position is C' = 5
;      OTHER INFORMATION:  methyl cytosine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  20
;      OTHER INFORMATION:  /note= "This position is C' = 5
;      OTHER INFORMATION:  methyl cytosine."
US-08-338-352-15

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTT 2183
              |||| ||  |||||| ||
Db          2 TTTTNTTNATTTTTTNTT 19


RESULT 2113
US-08-338-352-15/c
; Sequence 15, Application US/08338352
; Patent No. 6235887
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  JONES, ROBERT J.
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION DIRECTED BY OLIGONUCLEOTIDES CONTAINING MODIFIED
;    TITLE OF INVENTION:  PYRIMIDINES
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/338,352
;      FILING DATE:  14-NOV-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/935,444
;      FILING DATE:  25-AUG-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MURASHIGE, KATE H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  24610-20035.20
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 813-5600
;      TELEFAX:  (415) 494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  6
;      OTHER INFORMATION:  /note= "This position is C' = 5
;      OTHER INFORMATION:  methyl cytosine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /note= "This position is C' = 5
;      OTHER INFORMATION:  methyl cytosine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /note= "This position is C' = 5
;      OTHER INFORMATION:  methyl cytosine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  20
;      OTHER INFORMATION:  /note= "This position is C' = 5
;      OTHER INFORMATION:  methyl cytosine."
US-08-338-352-15

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              || ||||||  || ||||
Db         19 AANAAAAAAATNAANAAAA 2


RESULT 2114
US-09-467-082-25
; Sequence 25, Application US/09467082
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PKA CATALYTIC SUBUNIT C-ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0088
;  CURRENT APPLICATION NUMBER: US/09/467,082
;  CURRENT FILING DATE:  1999-12-17
;  NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 25
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-467-082-25

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1661 CTGCATCACCCGCCC 1675
              | ||||||||||||||
Db          2 CAGCATCACCCGCCC 16


RESULT 2115
US-09-021-701-553
; Sequence 553, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
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;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/021,701
;       FILING DATE:  10-FEB-1998
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Choi, Wendy A.
;       REGISTRATION NUMBER:  36,697
;       REFERENCE/DOCKET NUMBER:  10971464-1
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  650-236-2386
;       TELEFAX:  650-852-8063
;   INFORMATION FOR SEQ ID NO:  553:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
US-09-021-701-553

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTAA 2188
              ||||||  ||||||||
Db          6 TTTTTTCTTTTTAA 20


RESULT 2116
US-09-487-368A-130
; Sequence 130, Application US/09487368A
; Patent No. 6261840
; GENERAL INFORMATION:
;  APPLICANT:      Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE:      RTS-0093
;  CURRENT APPLICATION NUMBER: US/09/487,368A
;  CURRENT FILING DATE:  2000-01-18
;  NUMBER OF SEQ ID NOS:      240
; SEQ ID NO 130
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-368A-130

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2003 CTTCTTCAGAGATCA 2017
              |  ||||||||||||||
Db          6 CATCTTCAGAGATCA 20


RESULT 2117
US-09-487-368A-210/c
; Sequence 210, Application US/09487368A
; Patent No. 6261840
; GENERAL INFORMATION:
;  APPLICANT:      Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE:      RTS-0093
;  CURRENT APPLICATION NUMBER: US/09/487,368A
;  CURRENT FILING DATE:  2000-01-18
;  NUMBER OF SEQ ID NOS:      240
; SEQ ID NO 210
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-368A-210

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        479 GGCCGCCAGAGCCAG 493
              ||||||||||||| ||
Db         18 GGCCGCCAGAGCGAG 4


RESULT 2118
US-09-428-583-19
; Sequence 19, Application US/09428583
; Patent No. 6271029
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-2 EXPRESSION
;  FILE REFERENCE: RTS-0096
;  CURRENT APPLICATION NUMBER: US/09/428,583
;  CURRENT FILING DATE: 1999-10-27
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-583-19

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1199 ATGGCAGCTAGGAAG 1213
              |||||  |||||||||
Db          2 ATGGCGGCTAGGAAG 16


RESULT 2119
US-08-599-738A-14
; Sequence 14, Application US/08599738A
; Patent No. 6380368
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
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;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/599,738A
;      FILING DATE:  12-FEB-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/473,481
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/976,103
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/965,941
;      FILING DATE:  23-OCT-1992
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,352
;      FILING DATE:  14-NOV-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/935,444
;      FILING DATE:  25-AUG-1992
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/799,824
;      FILING DATE:  26-NOV-1991
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3D2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  6
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  20
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
US-08-599-738A-14

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              |||| ||  |||||| ||
Db          2 TTTTNTTNATTTTTTNTT 19
```

```
RESULT 2120
US-08-599-738A-14/c
; Sequence 14, Application US/08599738A
; Patent No. 6380368
; GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/599,738A
;      FILING DATE:  12-FEB-1996
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/473,481
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/976,103
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/965,941
;      FILING DATE:  23-OCT-1992
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,352
;      FILING DATE:  14-NOV-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/935,444
;      FILING DATE:  25-AUG-1992
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/799,824
;      FILING DATE:  26-NOV-1991
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3D2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  6
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
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;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  20
;      OTHER INFORMATION:  /note= "This position is C' =
;      OTHER INFORMATION:  5-methyl-2'-deoxycytidine."
US-08-599-738A-14

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              || ||||||  || ||||
Db         19 AANAAAAAATNAANAAAA 2


RESULT 2121
US-09-657-452A-31/c
; Sequence 31, Application US/09657452A
; Patent No. 6426188
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHORYLASE KINASE ALPHA 1 EXPRESSION
;  FILE REFERENCE: RTS-0125
;  CURRENT APPLICATION NUMBER: US/09/657,452A
;  CURRENT FILING DATE:  2000-09-07
;  NUMBER OF SEQ ID NOS: 178
; SEQ ID NO 31
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-657-452A-31

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        725 CTGCACGATCAGACA 739
              ||||| |||||||||
Db         15 CTGCATGATCAGACA 1


RESULT 2122
US-09-851-062-60
; Sequence 60, Application US/09851062
; Patent No. 6448081
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTERLEUKIN 12 P40 SUBUNIT EXPRESSION
;  FILE REFERENCE: RTS-0247
;  CURRENT APPLICATION NUMBER: US/09/851,062
;  CURRENT FILING DATE:  2001-05-07
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 60
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-851-062-60

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1423 CCTGATTGTCATAGA 1437
              ||||||||||||| |
Db          6 CCTGATTGTCATAAA 20


RESULT 2123
US-09-657-453A-105/c
; Sequence 105, Application US/09657453A
; Patent No. 6458591
; GENERAL INFORMATION:
;  APPLICANT:      Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PHOSPHORYLASE KINASE ALPHA 2 EXPRES
;  FILE REFERENCE:      RTS-0136
;  CURRENT APPLICATION NUMBER: US/09/657,453A
;  CURRENT FILING DATE:  2000-09-07
;  NUMBER OF SEQ ID NOS:      105
; SEQ ID NO 105
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-657-453A-105

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1146 GTAAACCAGTGGCAG 1160
              |||| ||||||||||
Db         15 GTAACCCAGTGGCAG 1


RESULT 2124
US-09-629-644A-130
; Sequence 130, Application US/09629644A
; Patent No. 6602857
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 130
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-130

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2003 CTTCTTCAGAGATCA 2017
              | ||||||||||||||
Db          6 CATCTTCAGAGATCA 20
```

```
RESULT 2125
US-09-629-644A-210/c
; Sequence 210, Application US/09629644A
; Patent No. 6602857
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 210
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-210

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        479 GGCCGCCAGAGCCAG 493
              ||||||||||||| ||
Db         18 GGCCGCCAGAGCGAG 4


RESULT 2126
US-09-060-299-164/c
; Sequence 164, Application US/09060299
; Patent No. 6545137
;  GENERAL INFORMATION:
;    APPLICANT:  Todd, John A
;    APPLICANT:  Hess, John W
;    APPLICANT:  Caskey, Charles T
;    APPLICANT:  Cox, Roger D
;    APPLICANT:  Gerhold, David
;    APPLICANT:  Hammond, Holly
;    APPLICANT:  Hey, Patricia
;    APPLICANT:  Kawaguchi, Yoshihiko
;    APPLICANT:  Merriman, Tony R
;    APPLICANT:  Metzker, Michael L
;    TITLE OF INVENTION:  No. 6545137el Receptor
;    NUMBER OF SEQUENCES:  455
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Nixon and Vanderhye
;      STREET:  1100 No. 6545137th Glebe Road, Eighth Floor
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  US
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/060,299
;      FILING DATE:  15-APR-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/043,553
;      FILING DATE:  15-APR-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/048,740
;      FILING DATE:  05-JUN-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  B.J.Sadoff
;      REGISTRATION NUMBER:  36,663
;      REFERENCE/DOCKET NUMBER:  620-35
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)816-4091
;      TELEFAX:  (703)816-4100
;  INFORMATION FOR SEQ ID NO:  164:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-060-299-164

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        914 CGACTGTCCCCACCT 928
              | |||||||||||||
Db         20 CAACTGTCCCCACCT 6


RESULT 2127
US-09-402-923A-164/c
; Sequence 164, Application US/09402923A
; Patent No. 6555654
;  GENERAL INFORMATION:
;       APPLICANT: Todd, John A
;                  Hess, John W
;                  Caskey, Charles T
;                  Cox, Roger D
;                  Gerhold, David
;                  Hammond, Holly
;                  Hey, Patricia
;                  Kawaguchi, Yoshihiko
;                  Merriman, Tony R
;                  Metzker, Michael L
;       TITLE OF INVENTION: No. 6555654el LDL-Receptor
;       NUMBER OF SEQUENCES: 455
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Nixon and Vanderhye
;            STREET: 1100 No. 6555654th Glebe Road, Eighth Floor
;            CITY: Arlington
;            STATE: Virginia
;            COUNTRY: US
;            ZIP: VA 22201-4714
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/402,923A
;            FILING DATE: 14-Feb-2001
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: PCT/GB98/01102
;            FILING DATE: 15-APR-1998
;            APPLICATION NUMBER: US 60/043,553
;            FILING DATE: 15-APR-1997
;            APPLICATION NUMBER: US 60/048,740
;            FILING DATE: 05-JUN-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: B.J.Sadoff
;            REGISTRATION NUMBER: 36,663
;            REFERENCE/DOCKET NUMBER: 620-81
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (703)816-4091
;            TELEFAX: (703)816-4100
;  INFORMATION FOR SEQ ID NO: 164:
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;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 164:
US-09-402-923A-164

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        914 CGACTGTCCCCACCT 928
              | ||||||||||||||
Db         20 CAACTGTCCCCACCT 6


RESULT 2128
US-09-198-452A-2377
; Sequence 2377, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2377
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2377

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2361 TTTAAGAAACAGTGC 2375
              |||||||||| ||||
Db          6 TTTAAGAAACGGTGC 20


RESULT 2129
US-09-198-452A-2867/c
; Sequence 2867, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2867
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2867

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2626 TTTGTCTCGTTCCTG 2640
              |||| ||||||||||
Db         15 TTTGGCTCGTTCCTG 1


RESULT 2130
US-09-198-452A-3480
; Sequence 3480, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 3480
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-3480

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1548 AGGGAAGGAACAGGA 1562
              ||||||||||||| |
Db          6 AGGGAAGGAACAGAA 20


RESULT 2131
US-09-198-452A-3520
; Sequence 3520, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 3520
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-3520

  Query Match             0.5%;  Score 13.4;  DB 1;  Length 20;
  Best Local Similarity   93.3%;  Pred. No. 2.6e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        794 CAGAAGGAGCTGGTG 808
              |||||||| ||||||
Db          5 CAGAAGGACCTGGTG 19


RESULT 2132
US-09-198-452A-4153/c
; Sequence 4153, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4153
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
```

US-09-198-452A-4153

Query Match 0.5%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 2.6e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       1706 AGCTATCTCCTAACT 1720
              ||||||||||| |||
Db         18 AGCTATCTCCTTACT 4
```

RESULT 2133
US-09-198-452A-5364
; Sequence 5364, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5364
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-5364

Query Match 0.5%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 2.6e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2626 TTTGTCTCGTTCCTG 2640
              |||| ||||||||||
Db          1 TTTGGCTCGTTCCTG 15
```

RESULT 2134
US-09-198-452A-5708/c
; Sequence 5708, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5708
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-5708

Query Match 0.5%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 2.6e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy        275 CAGCACCTCTACAGC 289
              ||||| |||||||||
Db         15 CAGCAGCTCTACAGC 1
```

RESULT 2135
US-09-198-452A-6474/c
; Sequence 6474, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6474
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6474

Query Match 0.5%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 2.6e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy        744 TTCGCAAAGGTCCCA 758
              ||||||||| |||||
Db         20 TTCGCAAAGATCCCA 6
```

RESULT 2136
US-09-665-615B-78
; Sequence 78, Application US/09665615B
; Patent No. 6653133
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; APPLICANT: Marcusson, Eric G.
; APPLICANT: Wyatt, Jacqueline
; TITLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
; FILE REFERENCE: ISPH-0502
; CURRENT APPLICATION NUMBER: US/09/665,615B
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 09/290,640
; PRIOR FILING DATE: 1999-04-12
; NUMBER OF SEQ ID NOS: 179
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 78
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-665-615B-78

Query Match 0.5%; Score 13.4; DB 1; Length 20;
Best Local Similarity 93.3%; Pred. No. 2.6e+03;
Matches 14; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy       2441 CGACTTTTTTGAGAC 2455
              || ||||||||||||
Db          1 CGGCTTTTTTGAGAC 15
```

RESULT 2137
US-09-045-054-34
; Sequence 34, Application US/09045054
; Patent No. 6200754
; GENERAL INFORMATION:
; APPLICANT: HOUSMAN, DAVID E.
; APPLICANT: LEDLEY, FRED D.
; APPLICANT: STANTON, VINCENT P., JR.
; TITLE OF INVENTION: INHIBITORS OF ALTERNATIVE ALLELES OF GENES ENCODING
; TITLE OF INVENTION: PRODUCTS THAT MEDIATE CELL RESPONSE TO ENVIRONMENTAL
; TITLE OF INVENTION: CHANGES
; FILE REFERENCE: 233/055
; CURRENT APPLICATION NUMBER: US/09/045,054
; CURRENT FILING DATE: 1998-03-19
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 34
; LENGTH: 21

```
;   TYPE: DNA
;   ORGANISM: Homo sapiens
;   FEATURE:
;   OTHER INFORMATION: Glutamate-ammonia ligase (glutamine synthase)
;   FEATURE:
;   OTHER INFORMATION: The letter "r" stands for a or g.
US-09-045-054-34

  Query Match              0.5%;  Score 13.4;  DB 1;  Length 21;
  Best Local Similarity   82.4%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2802
              || | ||:||||||||||
Db          5 AACATAARAAAAAAAAA 21


RESULT 2138
US-08-053-867A-18
; Sequence 18, Application US/08053867A
; Patent No. 5545545
;  GENERAL INFORMATION:
;    APPLICANT:  Gengenbach, Burle G.
;    APPLICANT:  Somers, David A.
;    APPLICANT:  Bittel, Douglas C.
;    APPLICANT:  Shaver, Jonathan M.
;    TITLE OF INVENTION:  Lysine-Insensitive Maize
;    TITLE OF INVENTION:  Dihydrodipicolinic Acid Synthase
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Merchant & Gould
;      STREET:  3100 No. 5545545west Center
;      CITY:  Minneapolis
;      STATE:  MN
;      COUNTRY:  USA
;      ZIP:  55403
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/053,867A
;      FILING DATE:  27-APR-1993
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Woessner, Warren D.
;      REGISTRATION NUMBER:  30,440
;      REFERENCE/DOCKET NUMBER:  600.263-US-01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  612/332-5300
;      TELEFAX:  612/332-3081
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-053-867A-18

  Query Match              0.5%;  Score 13.4;  DB 1;  Length 21;
  Best Local Similarity   93.3%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        654 AGAACCTGGGGCTCC 668
              ||||||||||| ||||
Db          2 AGAACCTGGGCCTCC 16


RESULT 2139
5399676-1/c
;Patent No. 5399676
;    APPLICANT: FROEHLER, BRIAN
;    TITLE OF INVENTION: OLIGONUCLEOTIDES WITH INVERTED POLARITY
;    NUMBER OF SEQUENCES: 2
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/559,958
;      FILING DATE: 30-JUL-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 502,272
;      FILING DATE: 29-MAR-1990
;      APPLICATION NUMBER: 425,803
;      FILING DATE: 23-OCT-1989
;SEQ ID NO:1:
;      LENGTH: 24
5399676-1

  Query Match              0.5%;  Score 13.4;  DB 1;  Length 24;
  Best Local Similarity   73.9%;  Pred. No. 3.2e+03;
  Matches   17;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAA 2803
              ||  ||| |||| |||| ||| |
Db         23 AAAAGAAGAAAAGAAAAGAAAGA 1


RESULT 2140
US-09-827-998-1296
; Sequence 1296, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1296
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-1296

  Query Match              0.5%;  Score 13.4;  DB 1;  Length 25;
  Best Local Similarity   73.9%;  Pred. No. 3.2e+03;
  Matches   17;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAAAAAAA 2801
              ||||  |   |||||||||| |||
Db          2 AGAAGGGGGGAAAAAAAAAGAAA 24


RESULT 2141
US-09-300-958A-65
; Sequence 65, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
```

```
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 65
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1e+03;
  Matches   13;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTA 2187
                ||||||||||||:
Db          1 TTTTTTTTTTTTV 14


RESULT 2142
US-09-300-958A-65/c
; Sequence 65, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
;  APPLICANT:  McClelland, Michael
;  APPLICANT:  Welsh, John
;  APPLICANT:  Trenkle, Thomas
;  TITLE OF INVENTION:  Reduced Complexity Nucleic Acid Targets and Methods of
;  TITLE OF INVENTION:  Using Same
;  FILE REFERENCE:  P-PH 3457
;  CURRENT APPLICATION NUMBER: US/09/300,958A
;  CURRENT FILING DATE:  1999-04-27
;  PRIOR APPLICATION NUMBER:  60/083,331
;  PRIOR FILING DATE:  1998-04-27
;  PRIOR APPLICATION NUMBER:  60/098,070
;  PRIOR FILING DATE:  1998-08-27
;  PRIOR APPLICATION NUMBER:  60/118,624
;  PRIOR FILING DATE:  1999-02-04
;  NUMBER OF SEQ ID NOS:  85
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 65
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1e+03;
  Matches   13;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
                :||||||||||||:
Db         14 BAAAAAAAAAAAAA 1


RESULT 2143
US-08-882-649A-7
; Sequence 7, Application US/08882649A
; Patent No. 6344316
;   GENERAL INFORMATION:
;        APPLICANT: Lockhart, David J.
;                   Chee, Mark
;                   Gunderson, Kevin
;                   Chaoqiang, Lai
;                   Wodicka, Lisa
;                   Cronin, Maureen T.
;                   Lee, Danny
;                   Tran, Huu M.
;                   Matsuzaki, Hajime
;                   McGall, Glenn H.
;        TITLE OF INVENTION: NUCLEIC ACID ANALYSIS TECHNIQUES
;        NUMBER OF SEQUENCES: 32
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Joe Liebeschuetz
;             STREET: Two Embarcadero Center, Eighth Floor
;             CITY: San Francisco
;             STATE: CA
;             COUNTRY: USA
;             ZIP: 94111-3834
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/08/882,649A
;             FILING DATE: 25-Jun-1997
;             CLASSIFICATION: 435-006.000
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: US 60/010,471
;             FILING DATE: 23-JAN-1996
;             APPLICATION NUMBER: US 60/035,170
;             FILING DATE: 09-JAN-1997
;             APPLICATION NUMBER: PCT/US97/01603
;             FILING DATE: 22-JAN-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Liebeschuetz, Joe
;             REGISTRATION NUMBER: 37,505
;             REFERENCE/DOCKET NUMBER: 018547-019410US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (415) 576-0200
;             TELEFAX: (415) 576-0300
;   INFORMATION FOR SEQ ID NO: 7:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 15 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        HYPOTHETICAL: YES
;                   (ix)  Features:
;        SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-08-882-649A-7

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.3e+03;
  Matches   13;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
                :||||||||||||:
Db          2 VAAAAAAAAAAAAA 15


RESULT 2144
US-08-882-649A-7/c
; Sequence 7, Application US/08882649A
; Patent No. 6344316
;   GENERAL INFORMATION:
;        APPLICANT: Lockhart, David J.
;                   Chee, Mark
;                   Gunderson, Kevin
;                   Chaoqiang, Lai
;                   Wodicka, Lisa
;                   Cronin, Maureen T.
;                   Lee, Danny
;                   Tran, Huu M.
;                   Matsuzaki, Hajime
;                   McGall, Glenn H.
;        TITLE OF INVENTION: NUCLEIC ACID ANALYSIS TECHNIQUES
;        NUMBER OF SEQUENCES: 32
;        CORRESPONDENCE ADDRESS:
```

```
;            ADDRESSEE: Joe Liebeschuetz
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/882,649A
;            FILING DATE: 25-Jun-1997
;            CLASSIFICATION: 435-006.000
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 60/010,471
;            FILING DATE: 23-JAN-1996
;            APPLICATION NUMBER: US 60/035,170
;            FILING DATE: 09-JAN-1997
;            APPLICATION NUMBER: PCT/US97/01603
;            FILING DATE: 22-JAN-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Liebeschuetz, Joe
;            REGISTRATION NUMBER: 37,505
;            REFERENCE/DOCKET NUMBER: 018547-019410US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;  INFORMATION FOR SEQ ID NO: 7:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 15 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       HYPOTHETICAL: YES
;                     (ix)  Features:
;       SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-08-882-649A-7

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.3e+03;
  Matches   13;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2179
              |||||||||||||:
Db         15 TTTTTTTTTTTTTB 2


RESULT 2145
US-08-641-314C-4
; Sequence 4, Application US/08641314C
; Patent No. 5977440
;  GENERAL INFORMATION:
;    APPLICANT:  LUTHE, DAWN S.
;    APPLICANT:  WILLIAMS, W. P.
;    APPLICANT:  BINGHUA, JIANG
;    APPLICANT:  PECHAN, TIBOR
;    TITLE OF INVENTION:  DNA MOLECULE ENCODING A 33 KD CYSTEINE
;    TITLE OF INVENTION:  PROTEINASE AND ITS USE IN TRANSFORMING PLANTS TO PROVIDE
;    TITLE OF INVENTION:  INSECT RESISTANCE
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON. SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
;      ADDRESSEE:  P.C.
;      STREET:  1755 S. JEFFERSON DAVIS HIGHWAY
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/641,314C
;      FILING DATE:  30-APR-1996
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KELBER, STEVEN B.
;      REGISTRATION NUMBER:  30,073
;      REFERENCE/DOCKET NUMBER:  2343-045-27
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-413-3000
;      TELEFAX:  703-413-2220
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
US-08-641-314C-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 16;
  Best Local Similarity   75.0%;  Pred. No. 1.6e+03;
  Matches   12;  Conservative    3;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        704 GTCGACGACCAGCACC 719
              ||:|||||||:|: |
Db          1 GTSGACGACCARCRGC 16


RESULT 2146
US-09-725-265-44/c
; Sequence 44, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOI
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DA
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 44
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-44

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGAACCCC 1788
              ||||||||||||   ||||
Db         18 TTTTTTTTTTTTTCCCCC 1
```

```
RESULT 2147
US-08-487-046-5/c
; Sequence 5, Application US/08487046
; Patent No. 5753489
;  GENERAL INFORMATION:
;    APPLICANT:  Kistner, Otfried
;    APPLICANT:  Barrett, No. 57534891
;    APPLICANT:  Mundt, Wolfgang
;    APPLICANT:  Dorner, Friedrich
;    TITLE OF INVENTION:  METHOD FOR PRODUCING VIRUSES AND VACCINES IN SERUM-FREE CULTU
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,046
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,761
;      FILING DATE:  10-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/197/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-487-046-5

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||| | |||||||| |
Db         18 AAAAAGAGAAAAAAAAGA 1


RESULT 2148
US-08-487-046-6
; Sequence 6, Application US/08487046
; Patent No. 5753489
;  GENERAL INFORMATION:
;    APPLICANT:  Kistner, Otfried
;    APPLICANT:  Barrett, No. 57534891
;    APPLICANT:  Mundt, Wolfgang
;    APPLICANT:  Dorner, Friedrich
;    TITLE OF INVENTION:  METHOD FOR PRODUCING VIRUSES AND VACCINES IN SERUM-FREE CULTU
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,046
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,761
;      FILING DATE:  10-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/197/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-487-046-6

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||| | |||||||| |
Db          1 AAAAAGAGAAAAAAAAGA 18


RESULT 2149
US-08-483-522-5/c
; Sequence 5, Application US/08483522
; Patent No. 5756341
;  GENERAL INFORMATION:
;    APPLICANT:  Kistner, Otfried
;    APPLICANT:  Barrett, No. 57563411
;    APPLICANT:  Mundt, Wolfgang
;    APPLICANT:  Dorner, Friedrich
;    TITLE OF INVENTION:  METHOD FOR INCREASING THE INFECTIVITY OF
;    TITLE OF INVENTION:  VIRUSES
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/483,522
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,761
;      FILING DATE:  10-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
```

```
;      REFERENCE/DOCKET NUMBER:  30472/199/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-483-522-5

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||| | |||||||| |
Db         18 AAAAAGAGAAAAAAAAGA 1


RESULT 2150
US-08-483-522-6
; Sequence 6, Application US/08483522
; Patent No. 5756341
;  GENERAL INFORMATION:
;    APPLICANT:  Kistner, Otfried
;    APPLICANT:  Barrett, No. 57563411
;    APPLICANT:  Mundt, Wolfgang
;    APPLICANT:  Dorner, Friedrich
;    TITLE OF INVENTION:  METHOD FOR INCREASING THE INFECTIVITY OF
;    TITLE OF INVENTION:  VIRUSES
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/483,522
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,761
;      FILING DATE:  10-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  30472/199/IMMU
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-483-522-6

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              ||||| | |||||||| |
Db         1 AAAAAGAGAAAAAAAAGA 18


RESULT 2151
US-08-384-324-2
; Sequence 2, Application US/08384324
; Patent No. 5844110
;  GENERAL INFORMATION:
;    APPLICANT:  Gold, Barry I.
;    TITLE OF INVENTION:  Synthetic Triple Helix-Forming Compounds
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street, Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/384,324
;      FILING DATE:  31-JAN-1995
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;      REFERENCE/DOCKET NUMBER:  63076
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-4100
;      TELEFAX:  (215) 563-4044
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  YES
US-08-384-324-2

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
              |||| |||||| |||| |
Db          1 TTTTCTTTTTTCTTTTCT 18


RESULT 2152
US-08-384-324-4/c
; Sequence 4, Application US/08384324
; Patent No. 5844110
;  GENERAL INFORMATION:
;    APPLICANT:  Gold, Barry I.
;    TITLE OF INVENTION:  Synthetic Triple Helix-Forming Compounds
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street, Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
```

```
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/384,324
;      FILING DATE:  31-JAN-1995
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;      REFERENCE/DOCKET NUMBER:  63076
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-4100
;      TELEFAX:  (215) 563-4044
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  YES
US-08-384-324-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
                ||| |||||||| ||| |
Db         18 AAAGAAAAAAAAGAAAGA 1


RESULT 2153
PCT-US96-01473-2
; Sequence 2, Application PC/TUS9601473
;  GENERAL INFORMATION:
;    APPLICANT:  University of Nebraska, Board of Regents
;    APPLICANT:  Gold, Barry I.
;    TITLE OF INVENTION:  Synthetic Triple Helix-Forming Compounds
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street    Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/01473
;      FILING DATE:  29-JAN-1996
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/384,324
;      FILING DATE:  01-FEB-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-4100
;      TELEFAX:  (215) 563-4044
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  YES
PCT-US96-01473-2

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2183
                |||| |||||| |||| |
Db          1 TTTTCTTTTTTCTTTTCT 18


RESULT 2154
PCT-US96-01473-4/c
; Sequence 4, Application PC/TUS9601473
;  GENERAL INFORMATION:
;    APPLICANT:  University of Nebraska, Board of Regents
;    APPLICANT:  Gold, Barry I.
;    TITLE OF INVENTION:  Synthetic Triple Helix-Forming Compounds
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street    Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/01473
;      FILING DATE:  29-JAN-1996
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/384,324
;      FILING DATE:  01-FEB-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 563-4100
;      TELEFAX:  (215) 563-4044
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  YES
;    ANTI-SENSE:  YES
PCT-US96-01473-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
                ||| |||||||| ||| |
Db         18 AAAGAAAAAAAAGAAAGA 1


RESULT 2155
US-07-627-538-6/c
; Sequence 6, Application US/07627538
; Patent No. 5248600
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  Topal, Michael D.
;    APPLICANT:  Conrad, Michael
;    TITLE OF INVENTION:  Method of Cleaving DNA
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kenneth D. Sibley;  Bell, Seltzer, Park and Gibson
;      STREET:  Post Office Drawer 34009
;      CITY:  Charlotte
;      STATE:  No. 5248600th Carolina
;      COUNTRY:  U.S.A.
;      ZIP:  28234
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/627,538
;      FILING DATE:  19901214
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sibley, Kenneth D.
;      REGISTRATION NUMBER:  31,665
;      REFERENCE/DOCKET NUMBER:  5052-24
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  919-881-3140
;      TELEFAX:  919-881-3175
;      TELEX:  575102
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
US-07-627-538-6

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        442 GCCGGCGCCCACAGGCAG 459
              ||||||||||||   |||
Db         18 GCCGGCGCCCACCACCAG 1


RESULT 2156
US-08-128-369-6/c
; Sequence 6, Application US/08128369
; Patent No. 5418150
;  GENERAL INFORMATION:
;    APPLICANT:  Topal, Michael D.
;    APPLICANT:  Conrad, Michael J.
;    TITLE OF INVENTION:  METHOD OF CLEAVING DNA
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kenneth D. Sibley; Bell, Seltzer, Park and
;      ADDRESSEE:  Gibson
;      STREET:  P.O. Drawer 34009
;      CITY:  Charlotte
;      STATE:  No. 5418150th Carolina
;      COUNTRY:  USA
;      ZIP:  28234
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/128,369
;      FILING DATE:  21-SEP-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sibley, Kenneth D.
;      REGISTRATION NUMBER:  31,665
;      REFERENCE/DOCKET NUMBER:  5470-5A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  919-420-2200
;      TELEFAX:  919-881-3175
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-128-369-6

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        442 GCCGGCGCCCACAGGCAG 459
              ||||||||||||   |||
Db         18 GCCGGCGCCCACCACCAG 1


RESULT 2157
US-08-564-002-28
; Sequence 28, Application US/08564002
; Patent No. 5714329
;  GENERAL INFORMATION:
;    APPLICANT:  Dracopoli, Nicolas
;    APPLICANT:  Tucker, Margaret
;    APPLICANT:  Goldstein, Alissa
;    TITLE OF INVENTION:  Methods for the Diagnosis of a Genetic
;    TITLE OF INVENTION:  Predisposition to Cancer Associated with Variant CDK4
;    TITLE OF INVENTION:  Allele
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
;      STREET:  4 Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/564,002
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sherwood, Pamela J.
;      REGISTRATION NUMBER:  36,677
;      REFERENCE/DOCKET NUMBER:  A-62562
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "Primer"
US-08-564-002-28

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
```

```
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1840 CATTCCCTGGGCCAACAG 1857
              | ||||||| ||| ||||
Db          1 CTTTCCCTGTGCCCACAG 18


RESULT 2158
US-08-592-936B-6/c
; Sequence 6, Application US/08592936B
; Patent No. 5783393
;  GENERAL INFORMATION:
;    APPLICANT:  Kellogg, Jill A.
;    APPLICANT:  Bestwick, Richard K.
;    TITLE OF INVENTION:  PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
;    TITLE OF INVENTION:  REGULATED EXPRESSION OF TRANSGENES IN PLANTS
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dehlinger & Associates
;      STREET:  350 Cambridge Avenue, Suite 250
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/592,936B
;      FILING DATE:  29-JAN-1996
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Evans, Susan T.
;      REGISTRATION NUMBER:  38,443
;      REFERENCE/DOCKET NUMBER:  4257-0012
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 324-0880
;      TELEFAX:  (650) 324-0960
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  DruGen 5' primer
US-08-592-936B-6

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        324 AATATCAGCCGCCACCCT 341
              ||| |||||| ||||| |
Db         18 AATGTCAGCCTCCACCTT 1


RESULT 2159
US-08-788-928A-17/c
; Sequence 17, Application US/08788928A
; Patent No. 5783394
;  GENERAL INFORMATION:
;    APPLICANT:  Bestwick, Richard K.
;    APPLICANT:  Kellogg, Jill A.
;    TITLE OF INVENTION:  RASPBERRY PROMOTERS FOR EXPRESSION OF
;    TITLE OF INVENTION:  TRANSGENES IN PLANTS
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dehlinger & Associates
;      STREET:  350 Cambridge Avenue, Suite 250
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/788,928A
;      FILING DATE:  24-JAN-1997
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/592,936
;      FILING DATE:  29-JAN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Evans, Susan T.
;      REGISTRATION NUMBER:  38,443
;      REFERENCE/DOCKET NUMBER:  4257-0015
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 324-0880
;      TELEFAX:  (650) 324-0960
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  DruGen 5' primer
US-08-788-928A-17

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        324 AATATCAGCCGCCACCCT 341
              ||| |||||| ||||| |
Db         18 AATGTCAGCCTCCACCTT 1


RESULT 2160
US-08-311-486C-1089/c
; Sequence 1089, Application US/08311486C
; Patent No. 5811300
;  GENERAL INFORMATION:
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth Draper
;    APPLICANT:  Kevin Kisich
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  TNF-'
;    NUMBER OF SEQUENCES:  1157
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
```

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;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/311,486C
;      FILING DATE:  September 23, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/166
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1089:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-311-486C-1089

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1453 CCCTGGAGACCAGAGTCC 1470
              |||||| || ||||| ||
Db         18 CCCTGGGGAGCAGAGGCC 1

RESULT 2161
US-08-639-501-49/c
; Sequence 49, Application US/08639501
; Patent No. 5837492
;  GENERAL INFORMATION:
;    APPLICANT:  Tavtigian, Sean V.
;    APPLICANT:  Kamb, Alexander
;    APPLICANT:  Simard, Jacques
;    APPLICANT:  Couch, Fergus
;    APPLICANT:  Rommens, Johanna
;    APPLICANT:  Weber, Barbara
;    TITLE OF INVENTION:  Chromosome 13-Linked Breast Cancer
;    TITLE OF INVENTION:  Susceptibility Gene
;    NUMBER OF SEQUENCES:  124
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Venable, Baetjer, Howard & Civiletti
;      STREET:  1201 New York Avenue N.W., Suite 1001
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  22204
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/639,501
;      FILING DATE:  29-APR-1996
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/585,391
;      FILING DATE:  11-JAN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/576,559
;      FILING DATE:  21-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/575,359
;      FILING DATE:  20-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/573,779
;      FILING DATE:  18-DEC-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ihnen, Jeffrey L.
;      REGISTRATION NUMBER:  28,957
;      REFERENCE/DOCKET NUMBER:  24884-116802-04
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-962-4810
;      TELEFAX:  202-962-8300
;  INFORMATION FOR SEQ ID NO:  49:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-639-501-49

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        453 CAGGCAGCCAGCAGCAGG 470
              |||| || |||||||| |
Db         18 CAGGTAGACAGCAGCAAG 1

RESULT 2162
US-09-111-573-6/c
; Sequence 6, Application US/09111573
; Patent No. 5929302
;  GENERAL INFORMATION:
;    APPLICANT:  Kellogg, Jill A.
;    APPLICANT:  Bestwick, Richard K.
;    TITLE OF INVENTION:  PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
;    TITLE OF INVENTION:  REGULATED EXPRESSION OF TRANSGENES IN PLANTS
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dehlinger & Associates
;      STREET:  350 Cambridge Avenue, Suite 250
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/111,573
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/592,936
;      FILING DATE:  29-JAN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Evans, Susan T.
;      REGISTRATION NUMBER:  38,443
;      REFERENCE/DOCKET NUMBER:  4257-0012
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 324-0880
```

```
;       TELEFAX:  (650) 324-0960
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  DruGen 5' primer
US-09-111-573-6

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        324 AATATCAGCCGCCACCCT 341
              ||| |||||| ||||| |
Db         18 AATGTCAGCCTCCACCTT 1


RESULT 2163
US-09-205-144-39/c
; Sequence 39, Application US/09205144
; Patent No. 5958771
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Elizabeth J. Ackermann
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CELLULAR INHIBITOR OF APOPTOSIS-2 EXPRESS
;  FILE REFERENCE: RTS-0021
;  CURRENT APPLICATION NUMBER: US/09/205,144
;  CURRENT FILING DATE: 1998-12-03
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 39
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-144-39

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1150 ACCAGTGGCAGAATATTT 1167
              |||||||| |||| | ||
Db         18 ACCAGTGGAAGAACAATT 1


RESULT 2164
US-09-256-496-23/c
; Sequence 23, Application US/09256496
; Patent No. 5998206
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-APLHA-12 EXPRESSION
;  FILE REFERENCE: RTS-0056
;  CURRENT APPLICATION NUMBER: US/09/256,496
;  CURRENT FILING DATE: 1999-02-23
;  NUMBER OF SEQ ID NOS: 86
; SEQ ID NO 23
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-256-496-23

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        794 CAGAAGGAGCTGGTGGGG 811
              ||||||| |||| ||| |
Db         18 CAGAAGGCGCTGCTGGAG 1


RESULT 2165
US-09-256-496-28
; Sequence 28, Application US/09256496
; Patent No. 5998206
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-APLHA-12 EXPRESSION
;  FILE REFERENCE: RTS-0056
;  CURRENT APPLICATION NUMBER: US/09/256,496
;  CURRENT FILING DATE: 1999-02-23
;  NUMBER OF SEQ ID NOS: 86
; SEQ ID NO 28
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-256-496-28

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1446 ACATGAACCCTGGAGACC 1463
              ||| ||||||| ||| ||
Db          1 ACAAGAACCCTTGAGCCC 18


RESULT 2166
US-09-358-381-47
; Sequence 47, Application US/09358381
; Patent No. 6020199
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTEN EXPRESSION
;  FILE REFERENCE: RTS-0079
;  CURRENT APPLICATION NUMBER: US/09/358,381
;  CURRENT FILING DATE: 1999-07-21
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 47
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-358-381-47

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1777 TTTTTGAACCCCATTCTT 1794
              | ||| || |||||||||
Db          1 TGTTTCAAGCCCATTCTT 18


RESULT 2167
US-08-577-081A-65
; Sequence 65, Application US/08577081A
; Patent No. 6030775
;  GENERAL INFORMATION:
;    APPLICANT:  Yang, Soo Young
;    APPLICANT:  Cereb, Nezih
;    TITLE OF INVENTION:  Methods and Reagents for Typing HLA
```

```
;    TITLE OF INVENTION:  Class I Genes
;    NUMBER OF SEQUENCES:  84
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street Suite 309
;      CITY:  Yorktown
;      STATE:  NY
;      COUNTRY:  US
;      ZIP:  10598
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette - 3.5 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  MS DOS
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/577,081A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Larson, Marina T.
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  MSK.P-001-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  yes
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      OTHER INFORMATION:  hybridization probe EE2-210 for typing of
;      OTHER INFORMATION:  HLA Class I genes
US-08-577-081A-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1584 GCACAGACTGGGAACCCC 1601
              ||||||| ||||| ||
Db             1 GCACAGACACGGAACACC 18


RESULT 2168
US-09-044-946-49/c
; Sequence 49, Application US/09044946
; Patent No. 6033857
;  GENERAL INFORMATION:
;    APPLICANT:  Tavtigian, Sean V.
;    APPLICANT:  Kamb, Alexander
;    APPLICANT:  Simard, Jacques
;    APPLICANT:  Couch, Fergus
;    APPLICANT:  Rommens, Johanna
;    APPLICANT:  Weber, Barbara
;    TITLE OF INVENTION:  Chromosome 13-Linked Breast Cancer
;    TITLE OF INVENTION:  Susceptibility Gene
;    NUMBER OF SEQUENCES:  124
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Venable, Baetjer, Howard & Civiletti
;      STREET:  1201 New York Avenue N.W., Suite 1001
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  22204
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/044,946
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/639,501
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/576,559
;      FILING DATE:  21-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/575,359
;      FILING DATE:  20-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/573,779
;      FILING DATE:  18-DEC-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ihnen, Jeffrey L.
;      REGISTRATION NUMBER:  28,957
;      REFERENCE/DOCKET NUMBER:  24884-116802-04
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-962-4810
;      TELEFAX:  202-962-8300
;  INFORMATION FOR SEQ ID NO:  49:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-09-044-946-49

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        453 CAGGCAGCCAGCAGCAGG 470
              |||| || ||||||| |
Db         18 CAGGTAGACAGCAGCAAG 1


RESULT 2169
US-09-143-212-44
; Sequence 44, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia and Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
;  FILE REFERENCE: RTS-0005
;  CURRENT APPLICATION NUMBER: US/09/143,212B
;  CURRENT FILING DATE: 1998-08-28
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 44
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-44

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
```

```
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCA 68
              ||||||| ||||||  ||
Db          1 GCGGCGGCGGCGGCTTCA 18


RESULT 2170
US-09-143-212-46/c
; Sequence 46, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia and Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
;  FILE REFERENCE: RTS-0005
;  CURRENT APPLICATION NUMBER: US/09/143,212B
;  CURRENT FILING DATE: 1998-08-28
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 46
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-46

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATCAACCC 432
              ||||||||||| |  |||
Db         18 CGCCGCCGCCACCTGCCC 1


RESULT 2171
US-08-559-397A-25
; Sequence 25, Application US/08559397A
; Patent No. 6083713
;  GENERAL INFORMATION:
;    APPLICANT:  Manly, Susan P.
;    APPLICANT:  Kozlowski, Michael R.
;    APPLICANT:  Neve, Rachael L.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF
;    TITLE OF INVENTION:  BETA APP-C100 RECEPTOR (C100-R)
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036/2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/559,397A
;      FILING DATE:  15-NOV-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6013-135
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-790-9090
;      TELEFAX:  212-869=8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-559-397A-25

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              |||||||| |||  ||||
Db          1 AAAAAAAAGAAAGCAAAA 18


RESULT 2172
US-08-559-397A-25/c
; Sequence 25, Application US/08559397A
; Patent No. 6083713
;  GENERAL INFORMATION:
;    APPLICANT:  Manly, Susan P.
;    APPLICANT:  Kozlowski, Michael R.
;    APPLICANT:  Neve, Rachael L.
;    TITLE OF INVENTION:  CLONING AND EXPRESSION OF
;    TITLE OF INVENTION:  BETA APP-C100 RECEPTOR (C100-R)
;    NUMBER OF SEQUENCES:  35
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036/2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/559,397A
;      FILING DATE:  15-NOV-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coruzzi, Laura A
;      REGISTRATION NUMBER:  30,742
;      REFERENCE/DOCKET NUMBER:  6013-135
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-790-9090
;      TELEFAX:  212-869=8864
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-559-397A-25

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2160 TTCTCCTTTTTTTTTTT 2177
              || | |||| |||||||||
Db         18 TTTTGCTTTCTTTTTTT 1


RESULT 2173
US-09-044-908-49/c
; Sequence 49, Application US/09044908
; Patent No. 6124104
```

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;  GENERAL INFORMATION:
;    APPLICANT:  Tavtigian, Sean V.
;    APPLICANT:  Kamb, Alexander
;    APPLICANT:  Simard, Jacques
;    APPLICANT:  Couch, Fergus
;    APPLICANT:  Rommens, Johanna
;    APPLICANT:  Weber, Barbara
;    TITLE OF INVENTION:  Chromosome 13-Linked Breast Cancer
;    TITLE OF INVENTION:  Susceptibility Gene
;    NUMBER OF SEQUENCES:  124
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Venable, Baetjer, Howard & Civiletti
;      STREET:  1201 New York Avenue N.W., Suite 1001
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  22204
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/044,908
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/639,501
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/576,559
;      FILING DATE:  21-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/575,359
;      FILING DATE:  20-DEC-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/573,779
;      FILING DATE:  18-DEC-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ihnen, Jeffrey L.
;      REGISTRATION NUMBER:  28,957
;      REFERENCE/DOCKET NUMBER:  24884-116802-04
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-962-4810
;      TELEFAX:  202-962-8300
;  INFORMATION FOR SEQ ID NO:  49:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-09-044-908-49

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        453 CAGGCAGCCAGCAGCAGG 470
              |||| || ||||||||  |
Db         18 CAGGTAGACAGCAGCAAG 1


RESULT 2174
US-09-289-466-55/c
; Sequence 55, Application US/09289466A
; Patent No. 6124272
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PDK-1 EXPRESSION
;  FILE REFERENCE: RTS-0060
;  CURRENT APPLICATION NUMBER: US/09/289,466A
;  CURRENT FILING DATE: 1999-04-09
;  NUMBER OF SEQ ID NOS: 86
; SEQ ID NO 55
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-289-466-55

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        543 CCCACCTCTCCGGGCTGG 560
              |||||| |||| |||||
Db         18 CCCACCATTCCGAGCTGG 1


RESULT 2175
US-09-475-316A-122
; Sequence 122, Application US/09475316A
; Patent No. 6210942
; GENERAL INFORMATION:
;  APPLICANT:  Lewis, No. 6210942man G.
;  APPLICANT:  Davin, Laurence B.
;  APPLICANT:  Dinkova-Kostova, Albena T.
;  APPLICANT:  Fujita, Masayuki
;  APPLICANT:  Gang, David R.
;  APPLICANT:  Sarkanen, Simo
;  APPLICANT:  Ford, Joshua D
;  TITLE OF INVENTION:  RECOMBINANT PINORESINOL/LARICIRESINOL REDUCTASES,
;  TITLE OF INVENTION:  RECOMBINANT DIRIGENT PROTEINS AND METHODS OF USE
;  FILE REFERENCE:  WSUR-1-13793
;  CURRENT APPLICATION NUMBER: US/09/475,316A
;  CURRENT FILING DATE:  1999-12-30
;  PRIOR APPLICATION NUMBER:  09/307,653
;  PRIOR FILING DATE:  1999-05-07
;  PRIOR APPLICATION NUMBER:  PCT/US97/20391
;  PRIOR FILING DATE:  1997-11-07
;  PRIOR APPLICATION NUMBER:  60/054,380
;  PRIOR FILING DATE:  1997-07-31
;  PRIOR APPLICATION NUMBER:  60/030,522
;  PRIOR FILING DATE:  1996-11-08
;  NUMBER OF SEQ ID NOS:  122
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 122
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
;   NAME/KEY: misc_feature
;   LOCATION: (1)..(18)
;   OTHER INFORMATION: Linker primer
US-09-475-316A-122

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTT 2179
              |||   ||||||||||||
Db          1 CTCGAGTTTTTTTTTTT 18


RESULT 2176
US-09-448-176-4/c
```

```
; Sequence 4, Application US/09448176
; Patent No. 6248533
;  GENERAL INFORMATION:
;       APPLICANT: KAMIZONO, Shintaro
;                  YAMADA, Akira
;                  HIGUCHI, Takafumi
;                  KATO, Hirohisa
;                  ITOH, Kyogo
;                  SEKI, Naoko
;       TITLE OF INVENTION: GENE DIAGNOSIS OF DISEASES WHEREIN
;                           TNF-ALPHA PROMOTERS PARTICIPATE
;       NUMBER OF SEQUENCES: 11
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: FOLEY & LARDNER
;            STREET: 3000 K Street, N.W.
;            CITY: Washington
;            STATE: D.C.
;            COUNTRY: U.S.A.
;            ZIP: 20007-5109
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/448,176
;            FILING DATE: 24-No. 6248533-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: WO PCT/JP98/02270
;            FILING DATE: 25-MAY-1998
;            APPLICATION NUMBER: WO PCT/JP97/04304
;            FILING DATE: 26-NOV-1997
;            APPLICATION NUMBER: JP 9-173900
;            FILING DATE: 30-JUN-1997
;            APPLICATION NUMBER: JP 9-134973
;            FILING DATE: 26-MAY-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Wegner, Harold C.
;            REGISTRATION NUMBER: 25,258
;            REFERENCE/DOCKET NUMBER: 74129/472
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (202) 672-5300
;            TELEFAX: (202) 672-5399
;   INFORMATION FOR SEQ ID NO: 4:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 18 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: other nucleic acid
;            DESCRIPTION: /desc = "Allele specific
;       SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-448-176-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1752 GGCTCTTTATTCATTAAG 1769
              ||| || | |||||||||
Db         18 GGCCCTGTCTTCATTAAG 1


RESULT 2177
US-09-632-580A-90/c
; Sequence 90, Application US/09632580A
; Patent No. 6255111
; GENERAL INFORMATION:
;  APPLICANT:      C. Frank Bennett
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF HER-4 EXPRESSION
;  FILE REFERENCE:      RTS-0054
;  CURRENT APPLICATION NUMBER: US/09/632,580A
;  CURRENT FILING DATE:  2000-07-31
;  NUMBER OF SEQ ID NOS:      93
; SEQ ID NO 90
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-632-580A-90

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1776 TTTTTTGAACCCCATTCT 1793
              |||| ||||| ||||| |
Db         18 TTTTCTGAACTCCATTTT 1


RESULT 2178
US-09-577-902-47
; Sequence 47, Application US/09577902
; Patent No. 6284538
; GENERAL INFORMATION:
;  APPLICANT:    Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF PTEN EXPRESSION
;  FILE REFERENCE:    ISPH-0463
;  CURRENT APPLICATION NUMBER: US/09/577,902
;  CURRENT FILING DATE:  2000-05-24
;  PRIOR APPLICATION NUMBER:  US 09/358,381
;  PRIOR FILING DATE:  1999-07-21
;  PRIOR APPLICATION NUMBER:  PCT/US99/29594,
;  PRIOR FILING DATE:  1999-12-14
;  NUMBER OF SEQ ID NOS:    51
; SEQ ID NO 47
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-577-902-47

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1777 TTTTTGAACCCCATTCTT 1794
              | ||| || |||||||||
Db          1 TGTTTCAAGCCCATTCTT 18


RESULT 2179
US-08-679-645-607/c
; Sequence 607, Application US/08679645
; Patent No. 6350934
;  GENERAL INFORMATION:
;    APPLICANT:  Zwick, Michael G.
;    APPLICANT:  Edington, Brent E.
;    APPLICANT:  McSwiggen, James A.
;    APPLICANT:  Merlo, Patricia Ann Owens
;    APPLICANT:  Guo, Lining
;    APPLICANT:  Skokut, Thomas A.
;    APPLICANT:  Young, Scott A.
;    APPLICANT:  Folkerts, Otto
;    APPLICANT:  Merlo, Donald J.
;    TITLE OF INVENTION:  COMPOSITION AND METHODS FOR
;    TITLE OF INVENTION:  MODULATION OF GENE EXPRESSION
;    TITLE OF INVENTION:  IN PLANTS
;    NUMBER OF SEQUENCES:  1263
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Lyon & Lyon
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/679,645
;       FILING DATE:  July 12, 1996
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/001,135
;       FILING DATE:  July 13, 1995
;       APPLICATION NUMBER:  08/300,726
;       FILING DATE:  September 2, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  219/247
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  607:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-679-645-607

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        152 GGGACGCCGGACGCCATG 169
              |||| | ||| |||||||
Db         18 GGGATGGCGGCCGCCATG 1


RESULT 2180
US-08-679-645-1159/c
; Sequence 1159, Application US/08679645
; Patent No. 6350934
;  GENERAL INFORMATION:
;     APPLICANT:  Zwick, Michael G.
;     APPLICANT:  Edington, Brent E.
;     APPLICANT:  McSwiggen, James A.
;     APPLICANT:  Merlo, Patricia Ann Owens
;     APPLICANT:  Guo, Lining
;     APPLICANT:  Skokut, Thomas A.
;     APPLICANT:  Young, Scott A.
;     APPLICANT:  Folkerts, Otto
;     APPLICANT:  Merlo, Donald J.
;     TITLE OF INVENTION:  COMPOSITION AND METHODS FOR
;     TITLE OF INVENTION:  MODULATION OF GENE EXPRESSION
;     TITLE OF INVENTION:  IN PLANTS
;     NUMBER OF SEQUENCES:  1263
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Lyon & Lyon
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/679,645
;       FILING DATE:  July 12, 1996
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/001,135
;       FILING DATE:  July 13, 1995
;       APPLICATION NUMBER:  08/300,726
;       FILING DATE:  September 2, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  219/247
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  1159:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-679-645-1159

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         42 GGCCCGCGCGCGGCGGGG 59
              || | ||| |||||||||
Db         18 GGGCGGCGAGCGGCGGGG 1


RESULT 2181
US-09-167-109-180
; Sequence 180, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda F.
;  APPLICANT: Cowsert, Lex M.
;  APPLICANT: Monia, Brett P.
;  APPLICANT: Xu, Xiaoxing S.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
;  FILE REFERENCE: ISPH-0321
;  CURRENT APPLICATION NUMBER: US/09/167,109
;  CURRENT FILING DATE: 1998-10-06
;  NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 180
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-167-109-180

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy      1565 GCAAAAATCCTTCTCCAC 1582
             |||||| ||| |||| ||
Db         1 GCAAAACTCCGTCTCTAC 18


RESULT 2182
US-09-725-265-48
```

```
; Sequence 48, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-48

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTGAACCCC 1788
              ||||||||||   ||||
Db          1 TTTTTTTTTTTCCCCCC 18


RESULT 2183
US-09-077-619-13/c
; Sequence 13, Application US/09077619
; Patent No. 6500614
; GENERAL INFORMATION:
;  APPLICANT: ARGUELLO, Rafael
;  APPLICANT:  AVAKIAN, Hovanes
;  APPLICANT:  MADRIGAL, Alejandro
;  TITLE OF INVENTION: METHOD FOR IDENTIFYING AN UNKNOWN ALLELE
;  FILE REFERENCE: 028979/0104
;  CURRENT APPLICATION NUMBER: US/09/077,619
;  CURRENT FILING DATE:  2000-03-31
;  PRIOR APPLICATION NUMBER: PCT/GB96/02959
;  PRIOR FILING DATE: 1996-11-29
;  PRIOR APPLICATION NUMBER: GB 9524381.2
;  PRIOR FILING DATE: 1995-11-29
;  NUMBER OF SEQ ID NOS: 46
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 13
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-077-619-13

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1381 CTGTGCCGCGGTGTCTGC 1398
              ||| ||||| ||||| ||
Db         18 CTGAGCCGCCGTGTCCGC 1


RESULT 2184
US-09-422-978-5922/c
; Sequence 5922, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5922
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-7792 for SEQ 1988,
US-09-422-978-5922

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        343 CTTTCCCCCTCCCTACCA 360
              ||||  |||||||| |||
Db         18 CTTTATCCCTCCCTTCCA 1


RESULT 2185
US-09-422-978-7191
; Sequence 7191, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7191
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-2765 for SEQ 3257,
US-09-422-978-7191

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        773 AACCCTCTGAACCTCCCC 790
              ||| |||| |||||||| |
Db          1 AACACTCTCAACCTCCTC 18
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RESULT 2186
US-09-132-368-40
; Sequence 40, Application US/09132368
; Patent No. 6548021
; GENERAL INFORMATION:
;  APPLICANT:  Church, George
;  APPLICANT:  Bulyk, Martha
;  TITLE OF INVENTION:  SURFACE-BOUND, DOUBLE-STRANDED DNA PROTEIN ARRAYS
;  FILE REFERENCE:  10498-59703
;  CURRENT APPLICATION NUMBER: US/09/132,368
;  CURRENT FILING DATE:  1998-08-11
;  PRIOR APPLICATION NUMBER:  US 60/061,604
;  PRIOR FILING DATE:  1997-10-10
;  NUMBER OF SEQ ID NOS:  43
;  SOFTWARE:  PatentIn version 3.0
; SEQ ID NO 40
;  LENGTH: 18
;  TYPE: DNA
;  ORGANISM: Escherichia coli
US-09-132-368-40

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2774 TTGTTAGAATTGAAAAAA 2791
              ||||||||||| || ||
Db          1 TTGTTAGAATTCTAACAA 18


RESULT 2187
US-09-132-368-40/c
; Sequence 40, Application US/09132368
; Patent No. 6548021
; GENERAL INFORMATION:
;  APPLICANT:  Church, George
;  APPLICANT:  Bulyk, Martha
;  TITLE OF INVENTION:  SURFACE-BOUND, DOUBLE-STRANDED DNA PROTEIN ARRAYS
;  FILE REFERENCE:  10498-59703
;  CURRENT APPLICATION NUMBER: US/09/132,368
;  CURRENT FILING DATE:  1998-08-11
;  PRIOR APPLICATION NUMBER:  US 60/061,604
;  PRIOR FILING DATE:  1997-10-10
;  NUMBER OF SEQ ID NOS:  43
;  SOFTWARE:  PatentIn version 3.0
; SEQ ID NO 40
;  LENGTH: 18
;  TYPE: DNA
;  ORGANISM: Escherichia coli
US-09-132-368-40

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2774 TTGTTAGAATTGAAAAAA 2791
              ||||||||||| || ||
Db         18 TTGTTAGAATTCTAACAA 1


RESULT 2188
US-09-533-494A-14
; Sequence 14, Application US/09533494A
; Patent No. 6586581
; GENERAL INFORMATION:
;  APPLICANT:  Bancroft, F. Carter
;  APPLICANT:  Fliss, Maikiko
;  APPLICANT:  Taylor Clelland, Catherine L.
;  TITLE OF INVENTION:  PROLACTIN REGULATORY ELEMENT BINDING
;  TITLE OF INVENTION:  PROTEIN AND USES THEREOF
;  FILE REFERENCE:  AP31818 070165.0497
;  CURRENT APPLICATION NUMBER: US/09/533,494A
;  CURRENT FILING DATE:  2000-03-23
;  NUMBER OF SEQ ID NOS:  30
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 14
;  LENGTH: 18
;  TYPE: DNA
;  ORGANISM: Human
US-09-533-494A-14

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       627 ACGCCCTGGATGCCGCGG 644
             | | ||||| ||||||||
Db         1 ATGTCCTGGGTGCCGCGG 18


RESULT 2189
US-09-533-494A-27
; Sequence 27, Application US/09533494A
; Patent No. 6586581
; GENERAL INFORMATION:
;  APPLICANT:  Bancroft, F. Carter
;  APPLICANT:  Fliss, Maikiko
;  APPLICANT:  Taylor Clelland, Catherine L.
;  TITLE OF INVENTION:  PROLACTIN REGULATORY ELEMENT BINDING
;  TITLE OF INVENTION:  PROTEIN AND USES THEREOF
;  FILE REFERENCE:  AP31818 070165.0497
;  CURRENT APPLICATION NUMBER: US/09/533,494A
;  CURRENT FILING DATE:  2000-03-23
;  NUMBER OF SEQ ID NOS:  30
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 27
;  LENGTH: 18
;  TYPE: DNA
;  ORGANISM: Human
US-09-533-494A-27

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       627 ACGCCCTGGATGCCGCGG 644
             | | ||||| ||||||||
Db         1 ATGTCCTGGGTGCCGCGG 18


RESULT 2190
US-09-704-640-122
; Sequence 122, Application US/09704640
; Patent No. 6635459
; GENERAL INFORMATION:
;  APPLICANT:  Lewis, No. 6635459man G.
;  APPLICANT:  Davin, Laurence B.
;  APPLICANT:  Dinkova-Kostova, Albena T.
;  APPLICANT:  Fujita, Masayuki
;  APPLICANT:  Gang, David R.
;  APPLICANT:  Sarkanen, Simo
;  APPLICANT:  Ford, Joshua D
;  TITLE OF INVENTION:  RECOMBINANT PINORESINOL/LARICIRESINOL REDUCTASE,
;  TITLE OF INVENTION:  RECOMBINANT DIRIGENT PROTEIN AND METHODS OF USE
;  FILE REFERENCE:  WSUR-1-16492
;  CURRENT APPLICATION NUMBER: US/09/704,640
;  CURRENT FILING DATE:  2000-11-02
;  PRIOR APPLICATION NUMBER:  09/475,316
;  PRIOR FILING DATE:  1999-12-30
;  PRIOR APPLICATION NUMBER:  09/307,653
;  PRIOR FILING DATE:  1999-05-07
;  PRIOR APPLICATION NUMBER:  PCT/US97/20391
;  PRIOR FILING DATE:  1997-11-07
;  PRIOR APPLICATION NUMBER:  60/054,380
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;  PRIOR FILING DATE:  1997-07-31
;  PRIOR APPLICATION NUMBER:  60/030,522
;  PRIOR FILING DATE:  1996-11-08
;  NUMBER OF SEQ ID NOS:  122
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 122
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence:
;    OTHER INFORMATION: oligonucleotide
;    NAME/KEY: misc_feature
;    LOCATION: (1)..(18)
;    OTHER INFORMATION: Linker primer
US-09-704-640-122

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTT 2179
              |||   ||||||||||||
Db          1 CTCGAGTTTTTTTTTTT 18


RESULT 2191
US-09-688-078-16
; Sequence 16, Application US/09688078
; Patent No. 6660483
; GENERAL INFORMATION:
;  APPLICANT: Kask, Kalev
;  APPLICANT:  Melcher, Thorsten
;  APPLICANT:  Chin, Daniel J.
;  TITLE OF INVENTION: DIAGNOSTIC MARKER FOR NEUROLOGICAL CONDITIONS
;  FILE REFERENCE: 019488-001310US
;  CURRENT APPLICATION NUMBER: US/09/688,078
;  CURRENT FILING DATE:  2000-10-13
;  PRIOR APPLICATION NUMBER: US 60/159,622
;  PRIOR FILING DATE: 1999-10-14
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
;    LENGTH: 18
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: PCR primer
;    FEATURE:
;    OTHER INFORMATION: PLC Y-region primer 1
US-09-688-078-16

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 18;
  Best Local Similarity   83.3%;  Pred. No. 2.2e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1493 GAGAAAATGGAGAAACAC 1510
              ||||| |||||| ||| |
Db          1 GAGAACATGGAGCAACCC 18


RESULT 2192
US-08-487-759-1/c
; Sequence 1, Application US/08487759
; Patent No. 5660989
;  GENERAL INFORMATION:
;    APPLICANT:  Cole, James L.
;    APPLICANT:  Olsen, David B.
;    APPLICANT:  Kuo, Lawrence C.
;    TITLE OF INVENTION:  DNA POLYMERASE EXTENSION ASSAY FOR
;    TITLE OF INVENTION:  INFLUENZA VIRUS ENDONUCLEASE
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ms. Joanne J. Giesser
;      STREET:  126 E. Lincoln Avenue, P.O. Box 2000-0907
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,759
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Giesser, Joanne M.
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19393
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908)-594-3046
;      TELEFAX:  (908)-594-4720
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-487-759-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2193
US-08-807-104-1/c
; Sequence 1, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
```

```
;       NAME:  YABLONSKY, MICHAEL D
;       REGISTRATION NUMBER:  40,407
;       REFERENCE/DOCKET NUMBER:  19406DA
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  732-594-4678
;       TELEFAX:  732-594-4720
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
US-08-807-104-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2194
US-08-807-104-4/c
; Sequence 4, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-807-104-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2195
US-08-807-104-6/c
; Sequence 6, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
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```
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  13...13
;       OTHER INFORMATION:
US-08-807-104-6

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2

RESULT 2196
US-08-807-104-7/c
; Sequence 7, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-807-104-7

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2

RESULT 2197
US-08-807-104-8/c
; Sequence 8, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  6...6
;      OTHER INFORMATION:
US-08-807-104-8

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
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Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2198
US-08-807-104-9/c
; Sequence 9, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  6...6
;      OTHER INFORMATION:
US-08-807-104-9

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2199
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US-08-807-104-10/c
; Sequence 10, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  19...19
;      OTHER INFORMATION:
US-08-807-104-10

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2200
US-08-807-104-13/c
; Sequence 13, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
```

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;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-807-104-13

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2201
US-08-807-104-14/c
; Sequence 14, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
US-08-807-104-14

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2202
US-08-807-104-15/c
; Sequence 15, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
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;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-807-104-15

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2203
US-08-807-104-16/c
; Sequence 16, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  12...12
;      OTHER INFORMATION:
US-08-807-104-16

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2204
US-08-973-139-1/c
; Sequence 1, Application US/08973139
; Patent No. 6100028
;  GENERAL INFORMATION:
;    APPLICANT:  Cole, James L.
;    APPLICANT:  Olsen, David B.
;    APPLICANT:  Kuo, Lawrence C.
;    TITLE OF INVENTION:  DNA POLYMERASE EXTENSION ASSAY
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ms. Joanne J. Giesser
;      STREET:  126 E. Lincoln Avenue, P.O. Box 2000-0907
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,139
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,760
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Giesser, Joanne M.
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19398
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908)-594-3046
;      TELEFAX:  (908)-594-4720
;  INFORMATION FOR SEQ ID NO:  1:
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;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
US-08-973-139-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                 |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2205
US-08-480-068-1/c
; Sequence 1, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;     APPLICANT:  BENSELER, FRITZ
;     APPLICANT:  COLE, JAMES L.
;     APPLICANT:  OLSEN, DAVID B.
;     APPLICANT:  KUO, LAWRENCE C.
;     TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;     NUMBER OF SEQUENCES:  21
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;       STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;       CITY:  RAHWAY
;       STATE:  NJ
;       COUNTRY:  US
;       ZIP:  07065-0907
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/480,068
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
US-08-480-068-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                 |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2206
US-08-480-068-4/c
; Sequence 4, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;     APPLICANT:  BENSELER, FRITZ
;     APPLICANT:  COLE, JAMES L.
;     APPLICANT:  OLSEN, DAVID B.
;     APPLICANT:  KUO, LAWRENCE C.
;     TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;     NUMBER OF SEQUENCES:  21
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;       STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;       CITY:  RAHWAY
;       STATE:  NJ
;       COUNTRY:  US
;       ZIP:  07065-0907
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/480,068
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
US-08-480-068-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
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Qy       2785 GAAAAAAAAAAAAAAAA 2802
              ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2

RESULT 2207
US-08-480-068-6/c
; Sequence 6, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-480-068-6

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  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
              ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2

RESULT 2208
US-08-480-068-7/c
; Sequence 7, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-480-068-7

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  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2802
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Db         19 GAAAATTAAAAATAAAAA 2
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RESULT 2209
US-08-480-068-8/c
; Sequence 8, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
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;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
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;      NAME/KEY:  Modified Base
;      LOCATION:  6...6
;      OTHER INFORMATION:
US-08-480-068-8

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  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2210
US-08-480-068-9/c
; Sequence 9, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
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;      NAME/KEY:  Modified Base
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US-08-480-068-9

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  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2211
US-08-480-068-10/c
; Sequence 10, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
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;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
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;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  19...19
;      OTHER INFORMATION:
US-08-480-068-10

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  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
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Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2212
US-08-480-068-13/c
; Sequence 13, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
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;    ANTI-SENSE:  NO
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US-08-480-068-13

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  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
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Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2213
US-08-480-068-14/c
; Sequence 14, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
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;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
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US-08-480-068-14

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Qy       2785 GAAAAAAAAAAAAAAAAA 2802
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Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2214
US-08-480-068-15/c
; Sequence 15, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
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US-08-480-068-15

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  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
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Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2215
US-08-480-068-16/c
; Sequence 16, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
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;       APPLICATION NUMBER:  US/08/480,068
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  16:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
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;       LOCATION:  1...1
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;       LOCATION:  12...12
;       OTHER INFORMATION:
US-08-480-068-16

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  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
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Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2216
US-08-973-137-1/c
; Sequence 1, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;     APPLICANT:  BENSELER, FRITZ
;     APPLICANT:  COLE, JAMES L.
;     APPLICANT:  OLSEN, DAVID B.
;     APPLICANT:  KUO, LAWRENCE C.
;     TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;     NUMBER OF SEQUENCES:  21
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;       STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;       CITY:  RAHWAY
;       STATE:  NJ
;       COUNTRY:  US
;       ZIP:  07065-0907
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/973,137
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/480,068
;       FILING DATE:  07-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
US-08-973-137-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                 |||||  ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2217
US-08-973-137-4/c
; Sequence 4, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;     APPLICANT:  BENSELER, FRITZ
;     APPLICANT:  COLE, JAMES L.
;     APPLICANT:  OLSEN, DAVID B.
;     APPLICANT:  KUO, LAWRENCE C.
;     TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;     NUMBER OF SEQUENCES:  21
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;       STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;       CITY:  RAHWAY
;       STATE:  NJ
;       COUNTRY:  US
;       ZIP:  07065-0907
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/973,137
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/480,068
;       FILING DATE:  07-JUN-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
```

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;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-973-137-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                  |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2218
US-08-973-137-6/c
; Sequence 6, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-973-137-6

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                  |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2219
US-08-973-137-7/c
; Sequence 7, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
```

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-973-137-7

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2220
US-08-973-137-8/c
; Sequence 8, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  6...6
;      OTHER INFORMATION:
US-08-973-137-8

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2221
US-08-973-137-9/c
; Sequence 9, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
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;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  6...6
;      OTHER INFORMATION:
US-08-973-137-9

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                 |||||  ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2222
US-08-973-137-10/c
; Sequence 10, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  19...19
;      OTHER INFORMATION:
US-08-973-137-10

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                 |||||  ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2223
US-08-973-137-13/c
; Sequence 13, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-973-137-13
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  Query Match           0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity  83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2

RESULT 2224
US-08-973-137-14/c
; Sequence 14, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
US-08-973-137-14

  Query Match           0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity  83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2

RESULT 2225
US-08-973-137-15/c
; Sequence 15, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  13...13
;      OTHER INFORMATION:
US-08-973-137-15

  Query Match           0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity  83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
```

```
                    ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2226
US-08-973-137-16/c
; Sequence 16, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  12...12
;      OTHER INFORMATION:
US-08-973-137-16

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2227
PCT-US96-08320-1/c
; Sequence 1, Application PC/TUS9608320
;  GENERAL INFORMATION:
;    APPLICANT:  Cole, James L.
;    APPLICANT:  Olsen, David B.
;    APPLICANT:  Kuo, Lawrence C.
;    TITLE OF INVENTION:  DNA POLYMERASE EXTENSION ASSAY FOR
;    TITLE OF INVENTION:  INFLUENZA VIRUS ENDONUCLEASE
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ms. Joanne J. Giesser
;      STREET:  126 E. Lincoln Avenue, P.O. Box 2000-0907
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/08320
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Giesser, Joanne M.
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19393 PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (908)-594-3046
;      TELEFAX:  (908)-594-4720
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US96-08320-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                ||||| ||||| |||||
Db         19 GAAAATTAAAAATAAAAA 2


RESULT 2228
PCT-US96-08330-1/c
; Sequence 1, Application PC/TUS9608330
;  GENERAL INFORMATION:
;    APPLICANT:  MERCK & CO., INC.
;    APPLICANT:  Cole, James L.
;    APPLICANT:  Olsen, David B.
;    APPLICANT:  Kuo, Lawrence C.
;    TITLE OF INVENTION:  DNA POLYMERASE EXTENSION ASSAY
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ms. Joanne J. Giesser
;      STREET:  126 E. Lincoln Avenue, P.O. Box 2000-0907
;      CITY:  Rahway
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
```

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;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US96/08330
;       FILING DATE:
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Giesser, Joanne M.
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19398 PCT
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (908)-594-3046
;       TELEFAX:  (908)-594-4720
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
PCT-US96-08330-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         19 GAAAATTAAAAATAAAAA 2

RESULT 2229
US-08-701-380-7
; Sequence 7, Application US/08701380
; Patent No. 5686598
;  GENERAL INFORMATION:
;    APPLICANT:  NORTH, Michael
;    APPLICANT:  NISHINA, Patsy
;    APPLICANT:  NAGGERT, Juergen
;    TITLE OF INVENTION:  GENES ASSOCIATED WITH RETINAL
;    TITLE OF INVENTION:  DYSTROPHIES
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
;      STREET:  4 Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/701,380
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SHERWOOD, Pamela J.
;      REGISTRATION NUMBER:  36,677
;      REFERENCE/DOCKET NUMBER:  A-63565/PJS
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-494-8700
;      TELEFAX:  415-494-8771
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "primers"
US-08-701-380-7

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1495 GAAAATGGAGAAACACAG 1512
              |||||  ||||  ||  ||||
Db          2 GAAAACGGAGCAAGACAG 19

RESULT 2230
US-07-936-163-20/c
; Sequence 20, Application US/07936163
; Patent No. 5743477
;  GENERAL INFORMATION:
;    APPLICANT:  WALSH, TERENCE A
;    APPLICANT:  MERLO, DONALD J
;    APPLICANT:  HOUTCHENS, ROBERT A
;    APPLICANT:  STRICKLAND, JAMES A
;    APPLICANT:  ORR, GREGORY L
;    TITLE OF INVENTION:  INSECTICIDAL PROTEINS AND METHOD FOR
;    TITLE OF INVENTION:  PLANT PROTECTION
;    NUMBER OF SEQUENCES:  49
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  THOMAS D. ZINDRICK
;      STREET:  9002 PURDUE ROAD
;      CITY:  INDIANAPOLIS
;      STATE:  IN
;      COUNTRY:  US
;      ZIP:  46268-1189
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/936,163
;      FILING DATE:  27-AUG-1992
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  ZINDRICK, THOMAS D
;      REGISTRATION NUMBER:  32,185
;      REFERENCE/DOCKET NUMBER:  C-38,424A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (517) 636-1869
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-07-936-163-20

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2458 GGGATCCAATTTTAATAT 2475
              |||||||||  ||  ||||
Db          19 GGGATCCAAGCTTGATAT 2

RESULT 2231
US-08-483-122-3
; Sequence 3, Application US/08483122
; Patent No. 5750376
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
```

```
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo
;    TITLE OF INVENTION:  Proliferation and Use of Multipotent
;    TITLE OF INVENTION:  Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/483,122
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-2/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-483-122-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db          1 TAAATAAAAGATGCCCTG 18


RESULT 2232
US-08-483-122-4/c
; Sequence 4, Application US/08483122
; Patent No. 5750376
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo
;    TITLE OF INVENTION:  Proliferation and Use of Multipotent
;    TITLE OF INVENTION:  Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/483,122
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-2/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-483-122-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db         19 TAAATAAAAGATGCCCTG 2


RESULT 2233
US-08-351-365-7/c
; Sequence 7, Application US/08351365
; Patent No. 5783681
;  GENERAL INFORMATION:
;    APPLICANT:  Matusik, Robert J
;    TITLE OF INVENTION:  ANDROGEN REGULATION WITH DNA SEQUENCES
;    TITLE OF INVENTION:  OF RAT PROBASIN GENE
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sim & McBurney
;      STREET:  Suite 701, 330 University Avenue
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5G 1R7
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/351,365
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stewart, Michael I
;      REGISTRATION NUMBER:  24,973
;      REFERENCE/DOCKET NUMBER:  1887-116 MIS:jb
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 595-1155
;      TELEFAX:  (416) 595-1163
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-351-365-7

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
```

```
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1206 CTAGGAAGAACATGCTAT 1223
              ||| ||| || |||||||
Db         18 CTAAGAACAAGATGCTAT 1


RESULT 2234
US-08-486-648-3
; Sequence 3, Application US/08486648
; Patent No. 5851832
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo Proliferation and
;    TITLE OF INVENTION:  Use of Multipotent Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,648
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-1/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-486-648-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db          1 TAAATAAAAGATGCCCTG 18


RESULT 2235
US-08-486-648-4/c
; Sequence 4, Application US/08486648
; Patent No. 5851832
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo Proliferation and
;    TITLE OF INVENTION:  Use of Multipotent Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,648
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-1/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-486-648-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db         19 TAAATAAAAGATGCCCTG 2


RESULT 2236
US-08-500-860A-10
; Sequence 10, Application US/08500860A
; Patent No. 5891679
;  GENERAL INFORMATION:
;    APPLICANT:  LUCAS, RUDOLPH
;    APPLICANT:  DE BAETSELIER, PATRICK
;    APPLICANT:  FRANSEN, LUCIE
;    APPLICANT:  SABLON, ERWIN
;    TITLE OF INVENTION:  TNF-MUTEINS, A PROCESS FOR PREPARING THEM AND
;    TITLE OF INVENTION:  THEIR USE AS ACTIVE SUBSTANCES IN PHARMACEUTICAL COMPOSITIONS
;    NUMBER OF SEQUENCES:  36
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/500,860A
;      FILING DATE:
;      CLASSIFICATION:  435
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BYRNE, THOMAS E.
;      REGISTRATION NUMBER:  32,205
;      REFERENCE/DOCKET NUMBER:  1487-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)816-4000
;      TELEFAX:  (703)816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-500-860A-10

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        575 AGCGCCCGCAGGGATGCC 592
              |||||| |||||| || |
Db          2 AGCGCCTGCAGGGGTGTC 19


RESULT 2237
US-08-467-538-7/c
; Sequence 7, Application US/08467538
; Patent No. 5952488
;  GENERAL INFORMATION:
;    APPLICANT:  Matusik, Robert J
;    TITLE OF INVENTION:  ANDROGEN REGULATION WITH DNA SEQUENCES
;    TITLE OF INVENTION:  OF RAT PROBASIN GENE
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sim & McBurney
;      STREET:  Suite 701, 330 University Avenue
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5G 1R7
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/467,538
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/351,365
;      FILING DATE:  09-AUG-1993
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/CA93/00319
;      FILING DATE:  09-AUG-1993
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  GB 9216851.7
;      FILING DATE:  07-AUG-1992
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stewart, Michael I
;      REGISTRATION NUMBER:  24,973
;      REFERENCE/DOCKET NUMBER:  1887-135 MIS:bh
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 595-1155
;      TELEFAX:  (416) 595-1163
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-467-538-7

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1206 CTAGGAAGAACATGCTAT 1223
              ||| ||| || |||||||
Db         18 CTAAGAACAAGATGCTAT 1


RESULT 2238
US-08-656-906-3
; Sequence 3, Application US/08656906
; Patent No. 5972901
;  GENERAL INFORMATION:
;    APPLICANT:  Ferkol Jr., Thomas W.
;    APPLICANT:  Davis, Pamela B.
;    APPLICANT:  Ziady, Assem-Galal
;    TITLE OF INVENTION:  Serpin Enzyme Complex Receptor -
;    TITLE OF INVENTION:  Mediated Gene Transfer
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States Of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/656,906
;      FILING DATE:  03-JUN-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/
;      FILING DATE:  03-JUN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO WO 95/25809
;      FILING DATE:  23-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/216,534
;      FILING DATE:  23-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ingolia, Diane E.
;      REGISTRATION NUMBER:  40,027
;      REFERENCE/DOCKET NUMBER:  CASE-02280
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-656-906-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       2157 TTTTTCTCCTTTTTTTT 2174
              || |||| ||| ||||||
Db          2 TTCTTCTTCTTCTTTTT 19


RESULT 2239
US-08-486-307-3
; Sequence 3, Application US/08486307
; Patent No. 5980885
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo
;    TITLE OF INVENTION:  Proliferation and Use of Multipotent
;    TITLE OF INVENTION:  Neural Stem Cells and their
;    TITLE OF INVENTION:  Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,307
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-3/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-486-307-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db          1 TAAATAAAAGATGCCCTG 18


RESULT 2240
US-08-486-307-4/c
; Sequence 4, Application US/08486307
; Patent No. 5980885
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo
;    TITLE OF INVENTION:  Proliferation and Use of Multipotent
;    TITLE OF INVENTION:  Neural Stem Cells and their
;    TITLE OF INVENTION:  Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,307
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-3/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-486-307-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db         19 TAAATAAAAGATGCCCTG 2


RESULT 2241
US-08-699-628-10/c
; Sequence 10, Application US/08699628
; Patent No. 6013436
;  GENERAL INFORMATION:
;    APPLICANT:  Hui, May
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John, K.
;    APPLICANT:  Capatos, Denis
;    APPLICANT:  Matthews, David E
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR DIAGNOSIS OF
;    TITLE OF INVENTION:  MUTATION IN THE VON HIPPEL-LINDAU TUMOR SUPPRESSOR GENE
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street Suite 309
;      CITY:  Yorktown
;      STATE:  NY
;      COUNTRY:  US
;      ZIP:  10598
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette - 3.5 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  MS DOS
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/699,628
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;      FILING DATE:  19-Aug-96
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/583,289
;      FILING DATE:  05-Jan-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Larson, Marina T.
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-032-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  yes
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      OTHER INFORMATION:  amplification primer for VHL
US-08-699-628-10

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1642 TAAAGAGCCTTCACTGGT 1659
              ||||||||| ||| |||
Db         19 TAAAGAGCCCACACCGGT 2


RESULT 2242
US-08-479-795-3
; Sequence 3, Application US/08479795
; Patent No. 6071889
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo
;    TITLE OF INVENTION:  Proliferation and  Use of Multipotent
;    TITLE OF INVENTION:  Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,795
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-6/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-479-795-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db          1 TAAATAAAAGATGCCCTG 18


RESULT 2243
US-08-479-795-4/c
; Sequence 4, Application US/08479795
; Patent No. 6071889
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo
;    TITLE OF INVENTION:  Proliferation and  Use of Multipotent
;    TITLE OF INVENTION:  Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,795
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-6/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-479-795-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
```

```
                    || || ||||| ||||||
Db         19 TAAATAAAAGATGCCCTG 2


RESULT 2244
US-09-032-365A-41
; Sequence 41, Application US/09032365A
; Patent No. 6114502
;  GENERAL INFORMATION:
;    APPLICANT:  No. 6114502th, Michael
;    APPLICANT:  Nishina, Patsy
;    APPLICANT:  Naggart, Juergen
;    APPLICANT:  No. 6114502en-Trauth, Konrad
;    TITLE OF INVENTION:  GENE FAMILY ASSOCIATED WITH
;    TITLE OF INVENTION:  NEUROSENSORY DEFECTS
;    NUMBER OF SEQUENCES:  67
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bozicevic & Reed, LLP
;      STREET:  285 Hamilton Avenue, Suite 200
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94301
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/032,365A
;      FILING DATE:
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sherwood, Pamela J
;      REGISTRATION NUMBER:  36,677
;      REFERENCE/DOCKET NUMBER:  SEQ-2CIP2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-327-3400
;      TELEFAX:  650 327-3231
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  41:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-09-032-365A-41

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1495 GAAAATGGAGAAACACAG 1512
              ||||| |||| || ||||
Db          2 GAAAACGGAGCAAGACAG 19


RESULT 2245
US-08-729-601A-60/c
; Sequence 60, Application US/08729601A
; Patent No. 6166302
;  GENERAL INFORMATION:
;    APPLICANT:  Merlo, Donald J.
;    APPLICANT:  Folkerts, Otto
;    TITLE OF INVENTION:  Modified Bacillus Thuringiensis Gene for
;    TITLE OF INVENTION:  Lepidopteran Control in Plants
;    NUMBER OF SEQUENCES:  84
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fitch, Even, Tabin & Flannery
;      STREET:  135 S. LaSalle St.
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/729,601A
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Krueger, James P.
;      REGISTRATION NUMBER:  35,234
;      REFERENCE/DOCKET NUMBER:  60089
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-372-7842
;      TELEFAX:  312-372-7848
;  INFORMATION FOR SEQ ID NO:  60:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  DNA (genomic)
US-08-729-601A-60

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2458 GGGATCCAATTTTAATAT 2475
              ||||||||  || ||||
Db         19 GGGATCCAAGCTTGATAT 2


RESULT 2246
US-09-217-847-3
; Sequence 3, Application US/09217847
; Patent No. 6200801
;  GENERAL INFORMATION:
;    APPLICANT:  Ferkol Jr., Thomas W.
;    APPLICANT:  Davis, Pamela B.
;    APPLICANT:  Ziady, Assem-Galal
;    TITLE OF INVENTION:  Serpin Enzyme Complex Receptor -
;    TITLE OF INVENTION:  Mediated Gene Transfer
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States Of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/217,847
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/656,906
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO WO 95/25809
;      FILING DATE:  23-MAR-1995
;    PRIOR APPLICATION DATA:
```

```
;      APPLICATION NUMBER:  US 08/216,534
;      FILING DATE:  23-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ingolia, Diane E.
;      REGISTRATION NUMBER:  40,027
;      REFERENCE/DOCKET NUMBER:  CASE-02280
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-217-847-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2157 TTTTTCTCCTTTTTTTT 2174
              || |||| ||| ||||||
Db          2 TTCTTCTTCTTCTTTTTT 19


RESULT 2247
US-08-557-006C-15/c
; Sequence 15, Application US/08557006C
; Patent No. 6258547
; GENERAL INFORMATION:
;  APPLICANT:  Beri, Rajindar K.
;  APPLICANT:  Carling, David
;  APPLICANT:  Forder, Robert A.
;  TITLE OF INVENTION:  NUCLEIC ACID ENCODING AMP-ACTIVATED PROTEIN KINASE
;  FILE REFERENCE:  NGAP/PHM37588/UST
;  CURRENT APPLICATION NUMBER: US/08/557,006C
;  CURRENT FILING DATE:  1996-03-06
;  PRIOR APPLICATION NUMBER:  PCT/GB94/01093
;  PRIOR FILING DATE:  1994-05-20
;  PRIOR APPLICATION NUMBER:  GB 9310489.1
;  PRIOR FILING DATE:  1993-05-21
;  PRIOR APPLICATION NUMBER:  GB 9318010.7
;  PRIOR FILING DATE:  1993-08-31
;  NUMBER OF SEQ ID NOS:  44
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 15
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: DNA artificial
;   OTHER INFORMATION: PCR primer
US-08-557-006C-15

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1259 CTTCTCAGCCAAGACCGG 1276
              |||||||||||  |  |||
Db         19 CTTCTCAGCCATGTTCGG 2


RESULT 2248
US-09-338-907-565
; Sequence 565, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 565
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 99-148-366.mis2
US-09-338-907-565

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        560 GAGGCGGGCGCGGTGAGC 577
              |||||||  || ||||||
Db          1 GAGGCGGCAGCCGTGAGC 18


RESULT 2249
US-08-484-406-3
; Sequence 3, Application US/08484406
; Patent No. 6294346
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo Proliferation and
;    TITLE OF INVENTION:  Use of Multipotent Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/484,406
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-5/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
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;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-484-406-3

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db          1 TAAATAAAAGATGCCCTG 18


RESULT 2250
US-08-484-406-4/c
; Sequence 4, Application US/08484406
; Patent No. 6294346
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo Proliferation and
;    TITLE OF INVENTION:  Use of Multipotent Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/484,406
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-5/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-484-406-4

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db         19 TAAATAAAAGATGCCCTG 2


RESULT 2251
US-09-218-207-565
; Sequence 565, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 565
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 99-148-366.mis2
US-09-218-207-565

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        560 GAGGCGGGCGCGGTGAGC 577
              |||||||  || ||||||
Db          1 GAGGCGGCAGCCGTGAGC 18


RESULT 2252
US-08-294-312B-77
; Sequence 77, Application US/08294312B
; Patent No. 6380369
; GENERAL INFORMATION:
;  APPLICANT: Adams et al.
;  TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
;  FILE REFERENCE: PF106P2
;  CURRENT APPLICATION NUMBER: US/08/294,312B
;  CURRENT FILING DATE:  1994-08-23
;  PRIOR APPLICATION NUMBER: 08/210,143
;  PRIOR FILING DATE: 1994-03-16
;  PRIOR APPLICATION NUMBER: 08/187,757
;  PRIOR FILING DATE: 1994-01-27
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 77
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer useful for amplifying codons 439 to 472 of hMLH3
US-08-294-312B-77

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        484 CCAGAGCCAGGAGGGAGC 501
              ||||| ||| || |||||
Db          2 CCAGAACCAAGAAGGAGC 19


RESULT 2253
US-09-097-319A-40/c
; Sequence 40, Application US/09097319A
; Patent No. 6384207
;  GENERAL INFORMATION:
;    APPLICANT:  Ainley, Michael
```

```
;    APPLICANT:  Armstrong, Katherine
;    APPLICANT:  Belmar, Scott
;    APPLICANT:  Folkerts, Otto
;    APPLICANT:  Hopkins, Nicole
;    APPLICANT:  Menke, Michael A.
;    APPLICANT:  Pareddy, Dayakar
;    APPLICANT:  Petolino, Joseph F.
;    APPLICANT:  Smith, Kelley
;    APPLICANT:  Woosley, Aaron
;    TITLE OF INVENTION:  Regulatory Sequences for Transgenic Plants
;    NUMBER OF SEQUENCES:  59
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DowElanco Patent Department
;      STREET:  9330 Zionsville Road
;      CITY:  Indianapolis
;      STATE:  Indiana
;      COUNTRY:  USA
;      ZIP:  46268
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/097,319A
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Stuart, Donald R
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  317 337 4816
;      TELEFAX:  317 337 4847
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-097-319A-40

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2458 GGGATCCAATTTTAATAT 2475
              |||||||||  || ||||
Db         19 GGGATCCAAGCTTGATAT 2


RESULT 2254
US-08-484-203-3
; Sequence 3, Application US/08484203
; Patent No. 6399369
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo Proliferation and
;    TITLE OF INVENTION:  Use of Multipotent Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/484,203
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-10/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-484-203-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db          1 TAAATAAAAGATGCCCTG 18


RESULT 2255
US-08-484-203-4/c
; Sequence 4, Application US/08484203
; Patent No. 6399369
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo Proliferation and
;    TITLE OF INVENTION:  Use of Multipotent Neural Stem Cells and their Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/484,203
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-10/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
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```
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-484-203-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db         19 TAAATAAAAGATGCCCTG 2


RESULT 2256
US-09-345-882-105
; Sequence 105, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
;  TITLE OF INVENTION:  AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
;  FILE REFERENCE: GENSET.031A
;  CURRENT APPLICATION NUMBER: US/09/345,882
;  CURRENT FILING DATE:  1999-06-30
;  PRIOR APPLICATION NUMBER: US 60/091,315
;  PRIOR FILING DATE: 1998-06-30
;  PRIOR APPLICATION NUMBER: US 60/111,909
;  PRIOR FILING DATE: 1998-12-10
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: Patent.pm
; SEQ ID NO 105
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 5-129-144.mis1
US-09-345-882-105

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2775 TGTTAGAATTGAAAAAAA 2792
              | ||| |||| |||||||
Db          2 TCTTATAATTAAAAAAAA 19


RESULT 2257
US-09-345-882-130/c
; Sequence 130, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
;  TITLE OF INVENTION:  AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
;  FILE REFERENCE: GENSET.031A
;  CURRENT APPLICATION NUMBER: US/09/345,882
;  CURRENT FILING DATE:  1999-06-30
;  PRIOR APPLICATION NUMBER: US 60/091,315
;  PRIOR FILING DATE: 1998-06-30
;  PRIOR APPLICATION NUMBER: US 60/111,909
;  PRIOR FILING DATE: 1998-12-10
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: Patent.pm
; SEQ ID NO 130
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 5-140-120.mis2
US-09-345-882-130

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2178 TTTTTTTTTAACTTTGAA 2195
              |||||| ||||| | |||
Db         19 TTTTTTCTTAACCTAGAA 2


RESULT 2258
US-08-468-024B-77
; Sequence 77, Application US/08468024B
; Patent No. 6416984
; GENERAL INFORMATION:
;  APPLICANT: Haseltine et al.
;  TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
;  FILE REFERENCE: PF106P3
;  CURRENT APPLICATION NUMBER: US/08/468,024B
;  CURRENT FILING DATE:  1995-06-06
;  PRIOR APPLICATION NUMBER: 08/294,312
;  PRIOR FILING DATE: 1994-08-23
;  PRIOR APPLICATION NUMBER: 08/210,143
;  PRIOR FILING DATE: 1994-03-16
;  PRIOR APPLICATION NUMBER: 08/187,757
;  PRIOR FILING DATE: 1994-01-27
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 77
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer useful for amplifying codons 439 to 472 of hMLH3
US-08-468-024B-77

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        484 CCAGAGCCAGGAGGGAGC 501
              ||||| ||| || |||||
Db          2 CCAGAACCAAGAAGGAGC 19


RESULT 2259
US-09-475-947A-12/c
; Sequence 12, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-12

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
```

```
                    |||||| ||| ||| |||
Db          18 GAAAAAGAAAGAAAGAAA 1


RESULT 2260
US-08-486-313-3
; Sequence 3, Application US/08486313
; Patent No. 6497872
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo Proliferation
;    TITLE OF INVENTION:  and Use of Multipotent Neural Stem Cells and their
;    TITLE OF INVENTION:  Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,313
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-11/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-486-313-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db          1 TAAATAAAAGATGCCCTG 18


RESULT 2261
US-08-486-313-4/c
; Sequence 4, Application US/08486313
; Patent No. 6497872
;  GENERAL INFORMATION:
;    APPLICANT:  Weiss, Samuel
;    APPLICANT:  Reynolds, Brent A.
;    APPLICANT:  Hammang, Joseph P.
;    APPLICANT:  Baetge, Edward E.
;    TITLE OF INVENTION:  In Vitro and In Vivo Proliferation
;    TITLE OF INVENTION:  and Use of Multipotent Neural Stem Cells and their
;    TITLE OF INVENTION:  Progeny
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton
;      ADDRESSEE:  & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,313
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brunelle, Jan P.
;      REGISTRATION NUMBER:  35,081
;      REFERENCE/DOCKET NUMBER:  A-61105-11/DJB/JPB
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  unknown
;      TOPOLOGY:  unknown
;    MOLECULE TYPE:  cDNA
US-08-486-313-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1409 TACATCAAAGAAGCCCTG 1426
              || || ||||| ||||||
Db         19 TAAATAAAAGATGCCCTG 2


RESULT 2262
US-09-108-006C-28
; Sequence 28, Application US/09108006C
; Patent No. 6524613
;  GENERAL INFORMATION:
;       APPLICANT: Steer, Clifford J.
;                  Kren, Betsy T.
;                  Bandyopadhyay, Paramita
;                  Roy-Chowdhury, Jayanta
;       TITLE OF INVENTION: Hepatocellular Chimeraplasty
;       NUMBER OF SEQUENCES: 62
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Kimeragen, Inc.
;            STREET: 300 Pheasant Run
;            CITY: Newtown
;            STATE: PA
;            COUNTRY: USA
;            ZIP: 18940
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: DOS
;            SOFTWARE: FastSEQ for Windows Version 2.0
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/108,006C
;            FILING DATE: 30-Jun-1992
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 60/054,288
;            FILING DATE: 30-APR-1997
```

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;             APPLICATION NUMBER: 60/054,837
;             FILING DATE: 05-AUG-1997
;             APPLICATION NUMBER: 60/064,996
;             FILING DATE: 10-NOV-1997
;             APPLICATION NUMBER: 60/074,497
;             FILING DATE: 12-FEB-1998
;             APPLICATION NUMBER: PCT US 98/08834
;             FILING DATE: 30-APR-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Friebel, Thomas
;             REGISTRATION NUMBER: 29258
;             REFERENCE/DOCKET NUMBER: 7991-015-999
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 215-504-4444
;             TELEFAX: 215-504-4545
;             TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 28:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 19 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: Other
;        SEQUENCE DESCRIPTION: SEQ ID NO: 28:
US-09-108-006C-28

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        797 AAGGAGCTGGTGGGGGCC 814
              |||||| | ||||||| |
Db          2 AAGGAGATAGTGGGGGAC 19


RESULT 2263
US-09-422-978-4542
; Sequence 4542, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4542
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-15728 for SEQ 608,
US-09-422-978-4542

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1967 ATATTTACCTTGAAAAAA 1984
              |||||||||| || | ||
Db          1 ATATTTACCTGGAGAGAA 18


RESULT 2264
US-09-422-978-6906
; Sequence 6906, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6906
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-21312 for SEQ 2972,
US-09-422-978-6906

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2661 AGTGTGCAGTACAGTGTG 2678
              || |||||||||| |||
Db          1 AGAGTGCAGTACATGGTG 18


RESULT 2265
US-09-422-978-10102
; Sequence 10102, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10102
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: downstream amplification primer 99-950 for SEQ 2237, in complemer
US-09-422-978-10102

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2377 TTGAGTGTACAGATTTTA 2394
              | |||||| |||| ||||
```

```
Db          1 TGGAGTGTTCAGAATTTA 18


RESULT 2266
US-09-422-978-10254/c
; Sequence 10254, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10254
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: downstream amplification primer 99-10735 for SEQ 2389, in complem
US-09-422-978-10254

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2735 AATTGTTGTGTGTATGAT 2752
              ||||| ||||||||  ||
Db         18 AATTGGTGTGTGTAGAAT 1


RESULT 2267
US-09-077-940A-19
; Sequence 19, Application US/09077940A
; Patent No. 6576441
; GENERAL INFORMATION:
;  APPLICANT: KIMURA, Toru et al.
;  TITLE OF INVENTION: NOVEL SEMAPHORIN Z AND GENE ENCODING THE SAME
;  FILE REFERENCE: 0020-4426P
;  CURRENT APPLICATION NUMBER: US/09/077,940A
;  CURRENT FILING DATE:  1998-06-05
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Adapter DNA used to ligate the various parts of the rSZexII
;   OTHER INFORMATION: plasmid
US-09-077-940A-19

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1724 GACCTATTATCAGAAGGT 1741
              || |||||||||| | ||
Db          2 GAACTATTATCAGGACGT 19


RESULT 2268
US-08-465-679-77
; Sequence 77, Application US/08465679
; Patent No. 6610477
; GENERAL INFORMATION:
;  APPLICANT: Haseltine et al.
;  TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
;  FILE REFERENCE: PF106P4
;  CURRENT APPLICATION NUMBER: US/08/465,679
;  CURRENT FILING DATE:  1995-06-06
;  PRIOR APPLICATION NUMBER: 08/294,312
;  PRIOR FILING DATE: 1994-08-23
;  PRIOR APPLICATION NUMBER: 08/210,143
;  PRIOR FILING DATE: 1994-03-16
;  PRIOR APPLICATION NUMBER: 08/187,757
;  PRIOR FILING DATE: 1994-01-27
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 77
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer useful for amplifying codons 439 to 472 of hMLH3
US-08-465-679-77

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        484 CCAGAGCCAGGAGGGAGC 501
              ||||| ||| || |||||
Db          2 CCAGAACCAAGAAGGAGC 19


RESULT 2269
US-09-495-714C-63/c
; Sequence 63, Application US/09495714C
; Patent No. 6670465
; GENERAL INFORMATION:
;  APPLICANT: University Technologies International Inc.
;  TITLE OF INVENTION: RETINAL CALCIUM CHANNEL (ALPHA) 1F-SUBUNIT GENE
;  FILE REFERENCE: 45499.4 (formerly 45074.6)
;  CURRENT APPLICATION NUMBER: US/09/495,714C
;  CURRENT FILING DATE:  2000-02-01
;  NUMBER OF SEQ ID NOS: 138
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 63
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-495-714C-63

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 19;
  Best Local Similarity   83.3%;  Pred. No. 2.4e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        363 AGCTGGCCTACTCCCAGT 380
              ||| |||| |||| ||||
Db         18 AGCAGGCCCACTCTCAGT 1


RESULT 2270
US-09-823-634A-15
; Sequence 15, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
```

```
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02022
US-09-823-634A-15

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1514 AAATAAAATTGGAACGAA 1531
              ||| |||||||||| ||
Db          2 AAAAAAAATTGGAAAAAA 19


RESULT 2271
US-09-823-647B-15
; Sequence 15, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02022
US-09-823-647B-15

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1514 AAATAAAATTGGAACGAA 1531
              ||| |||||||||| ||
Db          2 AAAAAAAATTGGAAAAAA 19


RESULT 2272
US-08-807-104-2/c
; Sequence 2, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
US-08-807-104-2

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  ||||| |||||
Db         20 GAAAATTAAAAATAAAAA 3


RESULT 2273
US-08-480-068-2/c
; Sequence 2, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
```

```
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  2...2
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  2...2
;       OTHER INFORMATION:
US-08-480-068-2

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         20 GAAAATTAAAAATAAAAA 3


RESULT 2274
US-08-973-137-2/c
; Sequence 2, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  2...2
;      OTHER INFORMATION:
US-08-973-137-2

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||  |||||  |||||
Db         20 GAAAATTAAAAATAAAAA 3


RESULT 2275
US-07-872-678A-18
; Sequence 18, Application US/07872678A
; Patent No. 5541060
;  GENERAL INFORMATION:
;    APPLICANT:  Bell, Graeme, et al.
;    TITLE OF INVENTION:  DETECTION OF EARLY-ONSET
;    TITLE OF INVENTION:  NON-INSULIN-DEPENDENT DIABETES MELLITUS
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  Post Office Box 4433
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  USA
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/872,678A
;      FILING DATE:  22-APRIL-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Coughlin, Daniel F.
;      REGISTRATION NUMBER:  36,111
;      REFERENCE/DOCKET NUMBER:  ARCD016
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713-787-1400
;      TELEFAX:  713-789-2679
;      TELEX:  79-0924
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-07-872-678A-18

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
```

```
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         66 GCAGACGCCTGGTCACCG 83
              ||||| ||||||| || |
Db          2 GCAGATGCCTGGTGACAG 19


RESULT 2276
US-08-255-561-1
; Sequence 1, Application US/08255561
; Patent No. 5543294
;  GENERAL INFORMATION:
;    APPLICANT:  Silverstein, Saul J.
;    APPLICANT:  Lungu, Octavian
;    APPLICANT:  Wright Jr., Thomas C.
;    TITLE OF INVENTION:  A POLYMERASE CHAIN
;    TITLE OF INVENTION:  REACTION/RESTRICTION FRAGMENT
;    TITLE OF INVENTION:  POLYMORPHISM METHOD FOR THE DETECTION
;    TITLE OF INVENTION:  AND TYPING OF HUMAN PAPILLOMAVIRUSES
;    TITLE OF INVENTION:  AND MYCOBACTERIUM AND FOR THE
;    TITLE OF INVENTION:  DIAGNOSIS OF CONGENITAL ADRENAL
;    TITLE OF INVENTION:  HYPERPLASIA
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/255,561
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/916,940
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  39358-A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-255-561-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        632 CTGGATGCCGCGGGCCTG 649
              |||| || |||| |||||
Db          1 CTGGCTGGCGCGCGCCTG 18


RESULT 2277
US-08-255-561-1/c
; Sequence 1, Application US/08255561
; Patent No. 5543294
;  GENERAL INFORMATION:
;    APPLICANT:  Silverstein, Saul J.
;    APPLICANT:  Lungu, Octavian
;    APPLICANT:  Wright Jr., Thomas C.
;    TITLE OF INVENTION:  A POLYMERASE CHAIN
;    TITLE OF INVENTION:  REACTION/RESTRICTION FRAGMENT
;    TITLE OF INVENTION:  POLYMORPHISM METHOD FOR THE DETECTION
;    TITLE OF INVENTION:  AND TYPING OF HUMAN PAPILLOMAVIRUSES
;    TITLE OF INVENTION:  AND MYCOBACTERIUM AND FOR THE
;    TITLE OF INVENTION:  DIAGNOSIS OF CONGENITAL ADRENAL
;    TITLE OF INVENTION:  HYPERPLASIA
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/255,561
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/916,940
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  39358-A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-255-561-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1292 AGCAGGCTCGCCCCAGTC 1309
              ||||||| ||| |||| |
Db         20 AGCAGGCGCGCGCCAGCC 3


RESULT 2278
US-08-271-946A-52/c
; Sequence 52, Application US/08271946A
; Patent No. 5545527
;  GENERAL INFORMATION:
;    APPLICANT:  Stevens, John K.
;    APPLICANT:  Dunn, James M.
;    TITLE OF INVENTION:  Method for Testing for Mutations in DNA
;    TITLE OF INVENTION:  from a Patient Sample
;    NUMBER OF SEQUENCES:  60
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
```

```
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,946A
;      FILING DATE:  08-JUL-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-002-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  52:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 17 of human RB1 gene
US-08-271-946A-52

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        944 TCGTTACTGGGAGGTGTT 961
              | |||| || ||||||||
Db         19 TTGTTAGTGAGAGGTGTT 2


RESULT 2279
US-08-271-942A-52/c
; Sequence 52, Application US/08271942A
; Patent No. 5550020
;  GENERAL INFORMATION:
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  123
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,942A
;      FILING DATE:  08-JUL-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  52:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 17 of human RB1 gene
US-08-271-942A-52

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        944 TCGTTACTGGGAGGTGTT 961
              | |||| || ||||||||
Db         19 TTGTTAGTGAGAGGTGTT 2


RESULT 2280
US-08-107-684B-37
; Sequence 37, Application US/08107684B
; Patent No. 5552273
;  GENERAL INFORMATION:
;    APPLICANT:  CLEUZIAT, Philippe L.
;    APPLICANT:  AWADE, Abalo
;    APPLICANT:  ROBERT-BAUDOUY, Jeannine
;    APPLICANT:  GAYRAL, Jean-Pierre
;    TITLE OF INVENTION:  POLYPEPTIDES CONTAINING SEQUENCES
;    TITLE OF INVENTION:  CHARACTERISTIC OF PYRROLIDONE CARBOXYLYL PEPTIDASES,
;    TITLE OF INVENTION:  POLYNUCLEOTIDES CONTAINING A SEQUENCE CODING FOR SUCH
;    TITLE OF INVENTION:  POLYPEPTIDES, AND THEIR USE, IN PARTICULAR FOR DIAGNOSTIC
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OLIFF & BERRIDGE
;      STREET:  P.O. Box 19928
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22320
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/107,684B
;      FILING DATE:  17-AUG-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Berridge, William P.
;      REGISTRATION NUMBER:  30,024
;      REFERENCE/DOCKET NUMBER:  WPB 28478
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-6400
;      TELEFAX:  (703) 836-2787
```

```
;  INFORMATION FOR SEQ ID NO:  37:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-107-684B-37

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        921 CCCCACCTGAATGCTTAA 938
              ||| | || |||||||||
Db          1 CCCTATCTCAATGCTTAA 18


RESULT 2281
US-07-977-284A-79/c
; Sequence 79, Application US/07977284A
; Patent No. 5558988
;  GENERAL INFORMATION:
;    APPLICANT:  Prockop, Darwin J.
;    APPLICANT:  Ala-Kokko, Leena
;    APPLICANT:  Williams, Charlene J.
;    APPLICANT:  Ritvaniemi, Pertti
;    APPLICANT:  Baldwin, Clinton
;    APPLICANT:  Hopkinson, Ian
;    APPLICANT:  Ahmad, Nilofer Nina
;    TITLE OF INVENTION:  METHODS OF DETECTING A GENETIC
;    TITLE OF INVENTION:  PREDISPOSITION FOR OSTEOARTHRITIS
;    NUMBER OF SEQUENCES:  261
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock, Washburn, Kurtz, Mackiewicz & No. 5558988ris
;      STREET:  One Liberty Place, 46th floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/977,284A
;      FILING DATE:  13-NOV-1992
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DeLuca, Mark
;      REGISTRATION NUMBER:  33,229
;      REFERENCE/DOCKET NUMBER:  TJU-0697
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  79:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    ANTI-SENSE:  NO
US-07-977-284A-79

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2568 CTGTTCTTGGCTTGGAAG 2585
                 ||||||  || ||||||
Db         19 CTGTTCTCAGCATGGAAG 2


RESULT 2282
US-07-977-284A-158/c
; Sequence 158, Application US/07977284A
; Patent No. 5558988
;  GENERAL INFORMATION:
;    APPLICANT:  Prockop, Darwin J.
;    APPLICANT:  Ala-Kokko, Leena
;    APPLICANT:  Williams, Charlene J.
;    APPLICANT:  Ritvaniemi, Pertti
;    APPLICANT:  Baldwin, Clinton
;    APPLICANT:  Hopkinson, Ian
;    APPLICANT:  Ahmad, Nilofer Nina
;    TITLE OF INVENTION:  METHODS OF DETECTING A GENETIC
;    TITLE OF INVENTION:  PREDISPOSITION FOR OSTEOARTHRITIS
;    NUMBER OF SEQUENCES:  261
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock, Washburn, Kurtz, Mackiewicz & No. 5558988ris
;      STREET:  One Liberty Place, 46th floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/977,284A
;      FILING DATE:  13-NOV-1992
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DeLuca, Mark
;      REGISTRATION NUMBER:  33,229
;      REFERENCE/DOCKET NUMBER:  TJU-0697
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  158:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    ANTI-SENSE:  YES
US-07-977-284A-158

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        784 CCTCCCCTGTCAGAAGGA 801
              ||||| |||||||| ||
Db         18 CCTCCGCTGTCAGACAGA 1


RESULT 2283
US-07-991-199D-14
; Sequence 14, Application US/07991199D
; Patent No. 5574142
;  GENERAL INFORMATION:
;    APPLICANT:  Meyer Jr., Rich B.
;    APPLICANT:  Gall, Alexander A.
;    APPLICANT:  Reed, Michael W.
;    TITLE OF INVENTION:  Peptide Linkers For Improved
;    TITLE OF INVENTION:  Oligonucleotide Delivery
```

```
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Klein & Szekeres
;      STREET:  4199 Campus Drive, Suite 700
;      CITY:  Irvine
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  92715
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/991,199D
;      FILING DATE:  15-DEC-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Szekeres, Gabor L.
;      REGISTRATION NUMBER:  28,675
;      REFERENCE/DOCKET NUMBER:  491-04-PA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (714) 854-5502
;      TELEFAX:  (714) 854-4897
;  INFORMATION FOR SEQ ID NO:  14:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
US-07-991-199D-14

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1313 GAGACGAACATACAGAAC 1330
              | |||||||||  |||||
Db          1 GTGACGAACATGGAGAAC 18


RESULT 2284
US-08-222-177A-55/c
; Sequence 55, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
;    APPLICANT:  Weber, James L.
;    TITLE OF INVENTION:  LENGTH POLYMORPHISMS IN
;    TITLE OF INVENTION:  (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
;    NUMBER OF SEQUENCES:  460
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DeWitt Ross & Stevens, S.C.
;      STREET:  8000 Excelsior Drive, Suite 401
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53717-1914
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/222,177A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/341,562
;      FILING DATE:  21-APR-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sara, Charles S.
;      REGISTRATION NUMBER:  30,492
;      REFERENCE/DOCKET NUMBER:  09865.601
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 831-2100
;      TELEFAX:  (608) 831-2106
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  55:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  mfd1p2
US-08-222-177A-55

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        298 ACCCCTCTCCCACACTGG 315
              |||| ||||||| | |||
Db         19 ACCCTTCTCCCAGAGTGG 2


RESULT 2285
US-08-222-177A-344/c
; Sequence 344, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
;    APPLICANT:  Weber, James L.
;    TITLE OF INVENTION:  LENGTH POLYMORPHISMS IN
;    TITLE OF INVENTION:  (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
;    NUMBER OF SEQUENCES:  460
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DeWitt Ross & Stevens, S.C.
;      STREET:  8000 Excelsior Drive, Suite 401
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53717-1914
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/222,177A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/341,562
;      FILING DATE:  21-APR-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sara, Charles S.
;      REGISTRATION NUMBER:  30,492
;      REFERENCE/DOCKET NUMBER:  09865.601
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 831-2100
;      TELEFAX:  (608) 831-2106
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  344:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  mfd108p1
US-08-222-177A-344

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
```

```
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1996 TATCTAGCTTCTTCAGAG 2013
              ||| ||||  ||||||||
Db         20 TATTTAGCCACTTCAGAG 3


RESULT 2286
US-08-222-177A-390/c
; Sequence 390, Application US/08222177A
; Patent No. 5582979
;  GENERAL INFORMATION:
;    APPLICANT:  Weber, James L.
;    TITLE OF INVENTION:  LENGTH POLYMORPHISMS IN
;    TITLE OF INVENTION:  (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
;    NUMBER OF SEQUENCES:  460
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DeWitt Ross & Stevens, S.C.
;      STREET:  8000 Excelsior Drive, Suite 401
;      CITY:  Madison
;      STATE:  Wisconsin
;      COUNTRY:  USA
;      ZIP:  53717-1914
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/222,177A
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/341,562
;      FILING DATE:  21-APR-1989
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sara, Charles S.
;      REGISTRATION NUMBER:  30,492
;      REFERENCE/DOCKET NUMBER:  09865.601
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (608) 831-2100
;      TELEFAX:  (608) 831-2106
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  390:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    IMMEDIATE SOURCE:
;      CLONE:  mfd123p2
US-08-222-177A-390

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1108 TAGGGACTTTGCCTATGT 1125
              |||| || |||| |||||
Db         20 TAGGCACCTTGCATATGT 3


RESULT 2287
US-08-245-758-4/c
; Sequence 4, Application US/08245758
; Patent No. 5607846
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Timothy F.
;    APPLICANT:  Bhushan, Reva
;    TITLE OF INVENTION:  Vaccine for Moraxella catarrhalis
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hodgson, Russ, Andrews, Woods & Goodyear
;      STREET:  1800 One M&T Plaza
;      CITY:  Buffalo
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  14203-2391
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Kb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS/ Microsoft Windows 3.1
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/245,758
;      FILING DATE:  17/05/94
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nelson, M. Bud
;      REGISTRATION NUMBER:  35,300
;      REFERENCE/DOCKET NUMBER:  11520.0051
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (716) 856-4000
;      TELEFAX:  (716) 849-0349
;  INFORMATION FOR SEQ ID NO:  4 :
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 nuclectides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single-stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    IMMEDIATE SOURCE:  synthesized
;    ORIGINAL SOURCE:
;      ORGANISM:  Moraxella catarrhalis
;      STRAIN:  25240
;      CELL TYPE:  bacterium
US-08-245-758-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        744 TTCGCAAAGGTCCCATTT 761
              |||||| |||| |||| |
Db         20 TTCGCATAGGTACCATCT 3


RESULT 2288
US-08-245-758-8/c
; Sequence 8, Application US/08245758
; Patent No. 5607846
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Timothy F.
;    APPLICANT:  Bhushan, Reva
;    TITLE OF INVENTION:  Vaccine for Moraxella catarrhalis
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hodgson, Russ, Andrews, Woods & Goodyear
;      STREET:  1800 One M&T Plaza
;      CITY:  Buffalo
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  14203-2391
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Kb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS/ Microsoft Windows 3.1
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/245,758
;      FILING DATE:  17/05/94
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nelson, M. Bud
;      REGISTRATION NUMBER:  35,300
;      REFERENCE/DOCKET NUMBER:  11520.0051
```

```
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (716) 856-4000
;      TELEFAX:  (716) 849-0349
;  INFORMATION FOR SEQ ID NO:  8 :
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single-stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    IMMEDIATE SOURCE:  synthesized
;    ORIGINAL SOURCE:
;      ORGANISM:  Moraxella catarrhalis
;      STRAIN:  25240
;      CELL TYPE:  bacterium
US-08-245-758-8

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        744 TTCGCAAAGGTCCCATTT 761
              |||||| |||| |||| |
Db         20 TTCGCATAGGTGCCATCT 3


RESULT 2289
US-08-411-796-533/c
; Sequence 533, Application US/08411796
; Patent No. 5677149
;  GENERAL INFORMATION:
;    APPLICANT:  Abrams, Mark A.
;    APPLICANT:  Bauer, S. C.
;    APPLICANT:  Braford-Goldberg, Sarah R.
;    APPLICANT:  Caparon, Maire H.
;    APPLICANT:  Easton, Alan M.
;    APPLICANT:  Klein, Barbara K.
;    APPLICANT:  McKearn, John P.
;    APPLICANT:  Olins, Peter O.
;    APPLICANT:  Paik, Kumnan
;    APPLICANT:  Polazzi, Joseph O.
;    APPLICANT:  Thomas, John W.
;    TITLE OF INVENTION:  Interleukin-3 (IL-3) Mutant Polypeptides
;    NUMBER OF SEQUENCES:  549
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis A. Bennett, G.D. Searle & Co.,
;      ADDRESSEE:  Corporate Patent Dept.
;      STREET:  P. O. Box 5110
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60680
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/411,796
;      FILING DATE:
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/981044
;      FILING DATE:  24-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/11198
;      FILING DATE:  22-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bennett, Dennis A.
;      REGISTRATION NUMBER:  34,547
;      REFERENCE/DOCKET NUMBER:  C2713/1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708)470-6501
;      TELEFAX:  (708)470-6881
;  INFORMATION FOR SEQ ID NO:  533:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
US-08-411-796-533

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1241 TGTAAAGAATTCACAGAA 1258
              ||| |||| || ||||||
Db         18 TGTCAAGAGTTTACAGAA 1


RESULT 2290
US-08-487-141B-65/c
; Sequence 65, Application US/08487141B
; Patent No. 5683987
;  GENERAL INFORMATION:
;    APPLICANT:  Smith, Larry J.
;    TITLE OF INVENTION:  Therapeutic Oligonucleotides
;    TITLE OF INVENTION:  Targeting the Human MDR1 and MRP Genes
;    NUMBER OF SEQUENCES:  114
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street  Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/487,141B
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/379,180
;      FILING DATE:  12-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hagan, Patrick J.
;      REGISTRATION NUMBER:  27,643
;      REFERENCE/DOCKET NUMBER:  63082C
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)563-4100
;      TELEFAX:  (215)563-4044
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-487-141B-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATCAACCC 432
              ||||||| ||||| |||
Db         19 CGCCGCCATCATCATCCC 2
```

```
RESULT 2291
US-08-379-680-10
; Sequence 10, Application US/08379680
; Patent No. 5702890
;  GENERAL INFORMATION:
;    APPLICANT:  Housman, David E.
;    TITLE OF INVENTION:  INHIBITORS OF ALTERNATIVE ALLELES
;    TITLE OF INVENTION:  OF GENES AS A BASIC FOR CANCER
;    TITLE OF INVENTION:  THERAPEUTIC AGENTS
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/379,680
;      FILING DATE:  Aprl 4, 1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/08473
;      FILING DATE:  July 26, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  223/112
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-379-680-10

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1307 GTCTTGGAGACGAACATA 1324
              |||||||||| | || ||
Db          2 GTCTTGGAGAAGCACTTA 19


RESULT 2292
US-08-535-230A-10/c
; Sequence 10, Application US/08535230A
; Patent No. 5707847
;  GENERAL INFORMATION:
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Kofod, Lene Kofod
;    APPLICANT:  Andersen, Lene No. 5707847boe
;    APPLICANT:  Kauppinen, Sakari
;    APPLICANT:  Heldt-Hansen, Hans Peter
;    APPLICANT:  Budolfsen, Gitte
;    APPLICANT:  Dalboge, Henrik
;    TITLE OF INVENTION:  An Enzyme Exhibiting Pectin
;    TITLE OF INVENTION:  Methylesterase
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 5707847o No. 5707847disk of No. 5707847th America, Inc.
;      STREET:  405 Lexington Avenue
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/535,230A
;      FILING DATE:  02-NOV-1995
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Valeta, Gregg A
;      REGISTRATION NUMBER:  35,127
;      REFERENCE/DOCKET NUMBER:  3667.204-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-535-230A-10

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1302 CCCCAGTCTTGGAGACGA 1319
              | |||| ||||| |||||
Db         19 CACCAGACTTGGCGACGA 2


RESULT 2293
US-08-605-089-25/c
; Sequence 25, Application US/08605089
; Patent No. 5719026
;  GENERAL INFORMATION:
;    APPLICANT:  Takafumi FUKUI
;    APPLICANT:  Kiyonori KATSURAGI
;    APPLICANT:  Moritoshi KINOSHITA
;    APPLICANT:  Sadahito SHIN
;    TITLE OF INVENTION:  METHOD FOR DETECTING POLYMORPHISM OF
;    TITLE OF INVENTION:  HUMAN CYTOCHROME P4501A2 GENE
;    NUMBER OF SEQUENCES:  45
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SUGHRUE, MION, ZINN, MACPEAK & SEAS
;      STREET:  2100 Pennsylvania Avenue, N.W.
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/605,089
;      FILING DATE:  06-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JPA-6-154571
;      FILING DATE:  06-JUL-1994
;      APPLICATION NUMBER:  PCT/JP95/01352
;      FILING DATE:  06-JUL-1995
;  INFORMATION FOR SEQ ID NO:  25:
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;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 BASES
;      TYPE:  NUCLEOTIDE
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  DNA
US-08-605-089-25

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1521 ATTGGAACGAAGAAAGGT 1538
              ||||| | |||||||||
Db         20 ATTGGTCCCAAGAAAGGT 3


RESULT 2294
US-08-413-803-13
; Sequence 13, Application US/08413803
; Patent No. 5766581
;  GENERAL INFORMATION:
;    APPLICANT:  Bartley, Timothy D.
;    APPLICANT:  Bogenberger, Jakob M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Hunt, Pamela
;    APPLICANT:  Kinstler, Olaf B.
;    APPLICANT:  Samal, Babru B.
;    TITLE OF INVENTION:  METHODS FOR TREATING MAMMALS WITH
;    TITLE OF INVENTION:  MONO-PEGYLATED PROTEINS THAT STIMULATE MEGAKARYOCYTE
;    TITLE OF INVENTION:  GROWTH AND DIFFERENTIATION
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  AMGEN INC.
;      STREET:  1840 DeHavilland Drive
;      CITY:  Thousand Oaks
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  91320-1789
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/413,803
;      FILING DATE:  30-MAR-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/221,768
;      FILING DATE:  31-MAR-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/252,628
;      FILING DATE:  31-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/321,488
;      FILING DATE:  12-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/347,780
;      FILING DATE:  30-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Cook Ph.D., Robert R.
;      REGISTRATION NUMBER:  31,602
;      REFERENCE/DOCKET NUMBER:  A-290D
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-413-803-13

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2301 GTAGGCACGAAGCAATTT 2318
              | || |||||||||| |||
Db          1 GGAGTCACGAAGCAGTTT 18


RESULT 2295
US-08-440-787A-158/c
; Sequence 158, Application US/08440787A
; Patent No. 5770434
;  GENERAL INFORMATION:
;    APPLICANT:  Huse, William D.
;    TITLE OF INVENTION:  Soluble Peptides Having Constrained,
;    TITLE OF INVENTION:  Secondary Conformation in Solution and Method of Making
;    TITLE OF INVENTION:  Same.
;    NUMBER OF SEQUENCES:  174
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/440,787A
;      FILING DATE:  15-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/978,893
;      FILING DATE:  10-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-IX 1586
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  158:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-440-787A-158

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    1;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        108 TTGGGGGCTGGGGGGATCCT 127
              |:| | ||| || |||||||
Db         20 TYGTGAGCTCGGCGGATCCT 1


RESULT 2296
US-08-122-456-2/c
; Sequence 2, Application US/08122456
; Patent No. 5770786
;  GENERAL INFORMATION:
;    APPLICANT:  Sijmons, Peter C.
;    TITLE OF INVENTION:  METHOD FOR THE ISOLATION AND/OR TESTING
;    TITLE OF INVENTION:  OF GENES AND PROMOTERS INVOLVED IN PLANT-NEMATODE
;    TITLE OF INVENTION:  INTERACTIONS USING PLANTS OF THE GENUS ARABIDOPSIS
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Ladas & Parry
;       STREET:  26 West 61st Street
;       CITY:  New York
;       STATE:  NY
;       COUNTRY:  USA
;       ZIP:  10023-7604
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 5.25 inch,  360 Kb storage
;       COMPUTER:  IBM PC/XT/AT or compatibles
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/122,456
;       FILING DATE:  05-JAN-1994
;       CLASSIFICATION:  800
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/EP92/00662
;       FILING DATE:  24-03-92
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  EP 91200698.8
;       FILING DATE:  26-03-91
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Mass, Clifford J.
;       REGISTRATION NUMBER:  30086
;       REFERENCE/DOCKET NUMBER:  U-9364-7
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 708-1800
;       TELEFAX:  (212) 246-8959
;       TELEX:  233288
;   INFORMATION FOR SEQ ID NO:  2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20
;       TYPE:  Nucleic acid
;       STRANDEDNESS:  Single
;       TOPOLOGY:  Linear
;     MOLECULE TYPE:  cDNA
;     HYPOTHETICAL:  Yes
US-08-122-456-2

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        666 TCCACGACATGCCTCACC 683
              | | |||||||| |||||
Db         18 TGCGCGACATGCGTCACC 1


RESULT 2297
US-08-167-113-13/c
; Sequence 13, Application US/08167113
; Patent No. 5776672
;  GENERAL INFORMATION:
;    APPLICANT:  HASHIMOTO, Koji
;    APPLICANT:  ITO, Keiko
;    APPLICANT:  ISHIMORI, Yoshio
;    APPLICANT:  GOTOH, Masanori
;    TITLE OF INVENTION:  GENE DETECTION METHOD
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT
;      STREET:  1755 S. JEFFERSON DAVIS HWY, SUITE 400
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/167,113
;      FILING DATE:  16-DEC-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/766,064
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-259011
;      FILING DATE:  28-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 3-90879
;      FILING DATE:  22-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 3-191868
;      FILING DATE:  31-JUL-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  OBLON, NORMAN F
;      REGISTRATION NUMBER:  24,618
;      REFERENCE/DOCKET NUMBER:  39-3751-0 FWC CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-413-3000
;      TELEFAX:  703-413-2220
;      TELEX:  248855 OPAT UR
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
US-08-167-113-13

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1597 ACCCCTCCTGGCCTGGGG 1614
              || |||||||||| | ||
Db         19 ACTCCTCCTGGCCGGCGG 2


RESULT 2298
US-08-321-488A-13
; Sequence 13, Application US/08321488A
; Patent No. 5795569
;  GENERAL INFORMATION:
;    APPLICANT:  Bartley, Timothy D.
;    APPLICANT:  Bogenberger, Jakob M.
;    APPLICANT:  Bosselman, Robert A.
;    APPLICANT:  Hunt, Pamela
;    APPLICANT:  Kinstler, Olaf B.
;    APPLICANT:  Samal, Babru B.
;    TITLE OF INVENTION:  MONO-PEGYLATED PROTEINS THAT STIMULATE
;    TITLE OF INVENTION:  MEGAKARYOCYTE GROWTH AND DIFFERENTIATION
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  AMGEN INC.
;      STREET:  1840 DeHavilland Drive
;      CITY:  Thousand Oaks
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  91320-1789
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/321,488A
;      FILING DATE:  12-OCT-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/252,628
;      FILING DATE:  31-MAY-1994
```

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;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/221,768
;      FILING DATE:  31-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Cook, Robert R.
;      REGISTRATION NUMBER:  31,602
;      REFERENCE/DOCKET NUMBER:  A-290B
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-321-488A-13

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2301 GTAGGCACGAAGCAATTT 2318
                | || |||||||||| |||
Db          1 GGAGTCACGAAGCAGTTT 18


RESULT 2299
US-08-594-600-1
; Sequence 1, Application US/08594600
; Patent No. 5814448
;  GENERAL INFORMATION:
;    APPLICANT:  Silverstein, Saul J.
;    APPLICANT:  Lungu, Octavian
;    APPLICANT:  Wright Jr., Thomas C.
;    TITLE OF INVENTION:  A POLYMERASE CHAIN
;    TITLE OF INVENTION:  REACTION/RESTRICTION FRAGMENT
;    TITLE OF INVENTION:  POLYMORPHISM METHOD FOR THE DETECTION
;    TITLE OF INVENTION:  AND TYPING OF HUMAN PAPILLOMAVIRUSES
;    TITLE OF INVENTION:  AND MYCOBACTERIUM AND FOR THE
;    TITLE OF INVENTION:  DIAGNOSIS OF CONGENITAL ADRENAL
;    TITLE OF INVENTION:  HYPERPLASIA
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/594,600
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  39358-A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-594-600-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        632 CTGGATGCCGCGGGCCTG 649
                |||| || |||| |||||
Db          1 CTGGCTGGCGCGCGCCTG 18


RESULT 2300
US-08-594-600-1/c
; Sequence 1, Application US/08594600
; Patent No. 5814448
;  GENERAL INFORMATION:
;    APPLICANT:  Silverstein, Saul J.
;    APPLICANT:  Lungu, Octavian
;    APPLICANT:  Wright Jr., Thomas C.
;    TITLE OF INVENTION:  A POLYMERASE CHAIN
;    TITLE OF INVENTION:  REACTION/RESTRICTION FRAGMENT
;    TITLE OF INVENTION:  POLYMORPHISM METHOD FOR THE DETECTION
;    TITLE OF INVENTION:  AND TYPING OF HUMAN PAPILLOMAVIRUSES
;    TITLE OF INVENTION:  AND MYCOBACTERIUM AND FOR THE
;    TITLE OF INVENTION:  DIAGNOSIS OF CONGENITAL ADRENAL
;    TITLE OF INVENTION:  HYPERPLASIA
;    NUMBER OF SEQUENCES:  15
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/594,600
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  39358-A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-594-600-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1292 AGCAGGCTCGCCCCAGTC 1309
                |||||||  ||| |||| |
Db         20 AGCAGGCGCGCGCCAGCC 3


RESULT 2301
US-08-628-422-16/c
; Sequence 16, Application US/08628422
; Patent No. 5837854
;  GENERAL INFORMATION:
```

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;    APPLICANT:  Mulder, Carel
;    TITLE OF INVENTION:  OLIGONUCLEOTIDES WITH ANTI-EPSTEIN-BARR
;    TITLE OF INVENTION:  VIRUS ACTIVITY
;    NUMBER OF SEQUENCES:  63
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/628,422
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fasse, J. Peter
;      REGISTRATION NUMBER:  32,983
;      REFERENCE/DOCKET NUMBER:  04020/094001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617/542-5070
;      TELEFAX:  617/542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-628-422-16

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        392 TACTCGCATCTGGGGGAA 409
              | |||||| |||| ||||
Db         19 TGCTCGCAGCTGGAGGAA 2


RESULT 2302
US-08-244-122-28/c
; Sequence 28, Application US/08244122
; Patent No. 5866777
;  GENERAL INFORMATION:
;    APPLICANT:  Sijmons, Peter J.
;    APPLICANT:  Goddijn, Oscar J.M.
;    APPLICANT:  Van Den Elzen, Petrus J. M.
;    APPLICANT:  Van Der Lee, Frederique M.
;    TITLE OF INVENTION:  Method for Obtaining Plants with
;    TITLE OF INVENTION:  Reduced Susceptibility to Plant-Parasitic Nematodes
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Ladas & Parry
;      STREET:  26 West 61st Street
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10023
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 5.25 inch,  360 Kb storage
;      COMPUTER:  IBM PC/XT/AT or compatibles
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/244,122
;      FILING DATE:  19-MAY-1994
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/EP92/02559
;      FILING DATE:  02-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  NL91203041
;      FILING DATE:  20-NOV-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  NL9200046
;      FILING DATE:  10-JAN-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MASS, CLIFFORD, J.
;      REGISTRATION NUMBER:  30086
;      REFERENCE/DOCKET NUMBER:  U-9672-6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 708-1800
;      TELEFAX:  (212) 246-8959
;      TELEX:  233288
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 BASE PAIRS
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  YES
US-08-244-122-28

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        666 TCCACGACATGCCTCACC 683
              | | |||||||| |||||
Db         18 TGCGCGACATGCGTCACC 1


RESULT 2303
US-08-927-561-65/c
; Sequence 65, Application US/08927561
; Patent No. 5874567
;  GENERAL INFORMATION:
;    APPLICANT:  Smith, Larry J.
;    TITLE OF INVENTION:  Therapeutic Oligonucleotides
;    TITLE OF INVENTION:  Targeting the Human MDR1 and MRP Genes
;    NUMBER OF SEQUENCES:  114
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street  Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/927,561
;      FILING DATE:  08-SEPT-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/487,141
;      FILING DATE:  05-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rigaut, Kathleen D.
;      REGISTRATION NUMBER:  P43,047
;      REFERENCE/DOCKET NUMBER:  63082C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)563-4100
;      TELEFAX:  (215)563-4044
;  INFORMATION FOR SEQ ID NO:  65:
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;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-927-561-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATCAACCC 432
              ||||||| ||||| |||
Db         19 CGCCGCCATCATCATCCC 2


RESULT 2304
US-08-478-178A-65
; Sequence 65, Application US/08478178A
; Patent No. 5882927
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas Dean, C. Frank Bennett
;    TITLE OF INVENTION:  Oligonucleotide Modulation of
;    TITLE OF INVENTION:  Protein                                Kinase C
;    NUMBER OF SEQUENCES:  121
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz
;      ADDRESSEE:  Mackiewicz & No. 5882927ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/478,178A
;      FILING DATE:  herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  852,852
;      FILING DATE:  March 16, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rebecca Ralph Gaumond
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  ISIS-1154
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
US-08-478-178A-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1660 TCTGCATCACCCGCCCCT 1677
              |||| || || |||||||
Db          2 TCTGGATGACGCGCCCCT 19


RESULT 2305
US-08-488-177-65
; Sequence 65, Application US/08488177
; Patent No. 5885970
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas Dean, C. Frank Bennett
;    TITLE OF INVENTION:  Oligonucleotide Modulation of
;    TITLE OF INVENTION:  Protein Kinase C
;    NUMBER OF SEQUENCES:  121
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz
;      ADDRESSEE:  Mackiewicz & No. 5885970ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/488,177
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  852,852
;      FILING DATE:  March 16, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul K. Legaard
;      REGISTRATION NUMBER:  38,534
;      REFERENCE/DOCKET NUMBER:  ISIS-1995
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
US-08-488-177-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1660 TCTGCATCACCCGCCCCT 1677
              |||| || || |||||||
Db          2 TCTGGATGACGCGCCCCT 19


RESULT 2306
US-08-463-418-8/c
; Sequence 8, Application US/08463418
; Patent No. 5908971
;  GENERAL INFORMATION:
;    APPLICANT:  Van Der Straeten, Dominique et al.
;    TITLE OF INVENTION:  CRUCIFER ACC SYNTHASE AND USES THEREOF
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

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;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/463,418
;      FILING DATE:  05-JUN-1995
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/962,481
;      FILING DATE:  15-OCT-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clark, Paul T.
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  00786/161002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617/542-5070
;      TELEFAX:  617/542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-463-418-8

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2106 GGGGCCTTCTGGTTTTAG 2123
              ||| | | ||||||||||
Db         20 GGGACTTCCTGGTTTTAG 3


RESULT 2307
US-08-481-072A-65
; Sequence 65, Application US/08481072A
; Patent No. 5916807
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas Dean, C. Frank Bennett
;    TITLE OF INVENTION:  Oligonucleotide Modulation of
;    TITLE OF INVENTION:  Protein                                   Kinase C
;    NUMBER OF SEQUENCES:  121
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz
;      ADDRESSEE:  Mackiewicz & No. 5916807ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/481,072A
;      FILING DATE:  herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  852,852
;      FILING DATE:  March 16, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rebecca Ralph Gaumond
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  ISIS-1154
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
US-08-481-072A-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1660 TCTGCATCACCCGCCCCT 1677
              |||| || || |||||||
Db          2 TCTGGATGACGCGCCCCT 19


RESULT 2308
US-08-664-336-65
; Sequence 65, Application US/08664336
; Patent No. 5922686
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas Dean, C. Frank Bennett
;    TITLE OF INVENTION:  Oligonucleotide Modulation of Protein
;    NUMBER OF SEQUENCES:  121
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz
;      ADDRESSEE:  Mackiewicz & No. 5922686ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 720 kb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/664,336
;      FILING DATE:  herewith
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  852,852
;      FILING DATE:  March 16, 1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  089,996
;      FILING DATE:  July 9, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul K. Legaard
;      REGISTRATION NUMBER:  38,534
;      REFERENCE/DOCKET NUMBER:  ISIS-2345
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
US-08-664-336-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1660 TCTGCATCACCCGCCCCT 1677
              |||| || || |||||||
Db          2 TCTGGATGACGCGCCCCT 19


RESULT 2309
US-08-256-426B-79/c
```

```
; Sequence 79, Application US/08256426B
; Patent No. 5948611
;  GENERAL INFORMATION:
;    APPLICANT:  Prockop, Darwin J.
;    APPLICANT:  Ala-Kokko, Leena
;    APPLICANT:  Williams, Charlene J.
;    APPLICANT:  Ritvaniemi, Pertti
;    APPLICANT:  Baldwin, Clinton
;    APPLICANT:  Hopkinson, Ian
;    APPLICANT:  Ahmad, Nilofer Nina
;    TITLE OF INVENTION:  Methods of Detecting A Genetic
;    NUMBER OF SEQUENCES:  293
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5948611ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/256,426B
;      FILING DATE:  03-FEB-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/10964
;      FILING DATE:  12-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/977,284
;      FILING DATE:  13-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Mark DeLuca
;      REGISTRATION NUMBER:  33,229
;      REFERENCE/DOCKET NUMBER:  TJU-1082
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  79:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    ANTI-SENSE:  NO
US-08-256-426B-79

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2568 CTGTTCTTGGCTTGGAAG 2585
              ||||||| || ||||||
Db         19 CTGTTCTCAGCATGGAAG 2


RESULT 2310
US-08-256-426B-158/c
; Sequence 158, Application US/08256426B
; Patent No. 5948611
;  GENERAL INFORMATION:
;    APPLICANT:  Prockop, Darwin J.
;    APPLICANT:  Ala-Kokko, Leena
;    APPLICANT:  Williams, Charlene J.
;    APPLICANT:  Ritvaniemi, Pertti
;    APPLICANT:  Baldwin, Clinton
;    APPLICANT:  Hopkinson, Ian
;    APPLICANT:  Ahmad, Nilofer Nina
;    TITLE OF INVENTION:  Methods of Detecting A Genetic
;    NUMBER OF SEQUENCES:  293
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5948611ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/256,426B
;      FILING DATE:  03-FEB-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/10964
;      FILING DATE:  12-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/977,284
;      FILING DATE:  13-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Mark DeLuca
;      REGISTRATION NUMBER:  33,229
;      REFERENCE/DOCKET NUMBER:  TJU-1082
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  158:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    ANTI-SENSE:  YES
US-08-256-426B-158

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        784 CCTCCCCTGTCAGAAGGA 801
              ||||| ||||||||  ||
Db         18 CCTCCGCTGTCAGACAGA 1


RESULT 2311
US-09-044-506A-46/c
; Sequence 46, Application US/09044506A
; Patent No. 5955443
;  GENERAL INFORMATION:
;    APPLICANT:  C. Frank Bennett, Thomas Condon,
;    APPLICANT:  Shin Flournoy, Hong Zhang
;    TITLE OF INVENTION:  Antisense Modulation of PECAM-1
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jane Massey Licata, Esq.
;      STREET:  66 E. Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM 486
;      OPERATING SYSTEM:  WINDOWS FOR WORKGROUPS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/044,506A
;      FILING DATE:  March 19, 1998
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
```

```
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0271
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 779-2400
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  46:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-044-506A-46

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2628 TGTCTCGTTCCTGTTGGG 2645
              || || |||| |||||||
Db         18 TGCCTTGTTCATGTTGGG 1


RESULT 2312
US-08-481-066A-65
; Sequence 65, Application US/08481066A
; Patent No. 5959096
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas Dean, C. Frank Bennett
;    TITLE OF INVENTION:  Oligonucleotide Modulation of
;    TITLE OF INVENTION:  Protein Kinase C
;    NUMBER OF SEQUENCES:  121
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz
;      ADDRESSEE:  Mackiewicz & No. 5959096ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/481,066A
;      FILING DATE:  herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  852,852
;      FILING DATE:  March 16, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rebecca Ralph Gaumond
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  ISIS-1154
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
US-08-481-066A-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1660 TCTGCATCACCCGCCCCT 1677
              |||| || || |||||||
Db          2 TCTGGATGACGCGCCCCT 19


RESULT 2313
US-08-886-161-13/c
; Sequence 13, Application US/08886161
; Patent No. 5972692
;  GENERAL INFORMATION:
;    APPLICANT:  HASHIMOTO, Koji
;    APPLICANT:  ITO, Keiko
;    APPLICANT:  ISHIMORI, Yoshio
;    APPLICANT:  GOTOH, Masanori
;    TITLE OF INVENTION:  GENE DETECTION METHOD
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT
;      STREET:  1755 S. JEFFERSON DAVIS HWY, SUITE 400
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/886,161
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/167,113
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-259011
;      FILING DATE:  28-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 3-90879
;      FILING DATE:  22-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 3-191868
;      FILING DATE:  31-JUL-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  OBLON, NORMAN F
;      REGISTRATION NUMBER:  24,618
;      REFERENCE/DOCKET NUMBER:  39-3751-0 FWC CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-413-3000
;      TELEFAX:  703-413-2220
;      TELEX:  248855 OPAT UR
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
US-08-886-161-13

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1597 ACCCCTCCTGGCCTGGGG 1614
              || |||||||||| | ||
Db         19 ACTCCTCCTGGCCGGCGG 2
```

```
RESULT 2314
US-08-837-201C-75/c
; Sequence 75, Application US/08837201C
; Patent No. 5985558
; GENERAL INFORMATION:
;    APPLICANT:  Nicholas M. Dean; Robert A. McKay; Loren J.
;    APPLICANT:  Miraglia; Brenda F. Baker
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Compositions and Methods for the Modulation of
;    TITLE OF INVENTION:  Activating Protein 1
;    NUMBER OF SEQUENCES:  139
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/837,201C
;      FILING DATE:  April 14, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0209
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 810-1515
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  75:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-837-201C-75

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         52 CGGCGGGGGCGGCGGCAG 69
              |||||| ||||||  |||
Db         20 CGGCGGCGGCGGCTACAG 3


RESULT 2315
US-09-289-368-59
; Sequence 59, Application US/09289368
; Patent No. 5998148
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Elizabeth J. Ackermann
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROTUBULE-ASSOCIATED PROTEIN 4 EXPRESSI
;  FILE REFERENCE: RTS-0051
;  CURRENT APPLICATION NUMBER: US/09/289,368
;  CURRENT FILING DATE: 1999-04-08
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 59
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-289-368-59

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         55 CGGGGGCGGCGGCAGACG 72
              |||||| | ||| |||||
Db          2 CGGGGGAGACGGAAGACG 19


RESULT 2316
US-09-289-368-69/c
; Sequence 69, Application US/09289368
; Patent No. 5998148
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Elizabeth J. Ackermann
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MICROTUBULE-ASSOCIATED PROTEIN 4 EXPRESSI
;  FILE REFERENCE: RTS-0051
;  CURRENT APPLICATION NUMBER: US/09/289,368
;  CURRENT FILING DATE: 1999-04-08
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 69
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-289-368-69

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        287 AGCCCCGCGCCACCCCTC 304
              ||||| || |||| ||||
Db         20 AGCCCTGCCCCACACCTC 3


RESULT 2317
US-08-863-118-8/c
; Sequence 8, Application US/08863118A
; Patent No. 6015893
; GENERAL INFORMATION:
;  APPLICANT: CANCE, William G.
;  APPLICANT: LIU, Edison T.
;  APPLICANT: OWENS, Lewis V.
;  TITLE OF INVENTION: Oligonucleoside Compounds and Methods for Inhibiting
;  TITLE OF INVENTION: Tumor Growth, Invasion and Metastasis
;  FILE REFERENCE: 5470-90
;  CURRENT APPLICATION NUMBER: US/08/863,118A
;  CURRENT FILING DATE: 1997-05-27
;  EARLIER APPLICATION NUMBER: 08/276,843
;  EARLIER FILING DATE: 1994-07-18
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: nonsense
;   OTHER INFORMATION: control sequence derived from mouse wnt
;   OTHER INFORMATION: protooncogene
US-08-863-118-8

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        541 GCCCCACCTCTCCGGGCT 558
              |||||||||   ||||||
```

```
Db         18 GCCCCACCTGCTCGGGCT 1


RESULT 2318
US-08-471-039-533/c
; Sequence 533, Application US/08471039
; Patent No. 6017523
;  GENERAL INFORMATION:
;    APPLICANT:  Abrams, Mark A.
;    APPLICANT:  Bauer, S. C.
;    APPLICANT:  Braford-Goldberg, Sarah R.
;    APPLICANT:  Caparon, Maire H.
;    APPLICANT:  Easton, Alan M.
;    APPLICANT:  Klein, Barbara K.
;    APPLICANT:  McKearn, John P.
;    APPLICANT:  Olins, Peter O.
;    APPLICANT:  Paik, Kumnan
;    APPLICANT:  Polazzi, Joseph O.
;    APPLICANT:  Thomas, John W.
;    TITLE OF INVENTION:  Interleukin-3 (IL-3) Mutant Polypeptides
;    NUMBER OF SEQUENCES:  549
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis A. Bennett, G.D. Searle & Co.,
;      ADDRESSEE:  Corporate Patent Dept.
;      STREET:  P. O. Box 5110
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60680
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/471,039
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/981,044
;      FILING DATE:  24-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/11198
;      FILING DATE:  22-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bennett, Dennis A.
;      REGISTRATION NUMBER:  34,547
;      REFERENCE/DOCKET NUMBER:  C2713/5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708)470-6501
;      TELEFAX:  (708)470-6881
;  INFORMATION FOR SEQ ID NO:  533:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
US-08-471-039-533

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1241 TGTAAAGAATTCACAGAA 1258
              ||| |||| || ||||||
Db         18 TGTCAAGAGTTTACAGAA 1


RESULT 2319
US-08-665-259-64/c
; Sequence 64, Application US/08665259
; Patent No. 6028173
;  GENERAL INFORMATION:
;    APPLICANT:  Landes, Gregory M.
;    APPLICANT:  Burn, Timothy C.
;    APPLICANT:  Connors, Timothy D.
;    APPLICANT:  Dackowski, William R.
;    APPLICANT:  Van Raay, Terence J.
;    APPLICANT:  Klinger, Katherine W.
;    TITLE OF INVENTION:  NOVEL HUMAN CHROMOSOME 16 GENES,
;    TITLE OF INVENTION:  COMPOSITIONS, METHODS OF MAKING AND USING SAME
;    NUMBER OF SEQUENCES:  73
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GENZYME CORPORATION
;      STREET:  One Mountain Road
;      CITY:  Framingham
;      STATE:  Massachusetts
;      COUNTRY:  United States of America
;      ZIP:  01701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/665,259
;      FILING DATE:  17-JUN-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Dugan, Deborah A.
;      REGISTRATION NUMBER:  37,315
;      REFERENCE/DOCKET NUMBER:  IGS-9.1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (508) 872-8400
;      TELEFAX:  (508) 872-5415
;  INFORMATION FOR SEQ ID NO:  64:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligonucleotide primer"
US-08-665-259-64

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        602 TCCGACCTGCTGCTGCCC 619
              | || ||||| |||||||
Db         19 TGCGGCCTGCGGCTGCCC 2


RESULT 2320
US-08-762-500-64/c
; Sequence 64, Application US/08762500
; Patent No. 6030806
;  GENERAL INFORMATION:
;    APPLICANT:  Landes, Gregory M.
;    APPLICANT:  Burn, Timothy C.
;    APPLICANT:  Connors, Timothy D.
;    APPLICANT:  Dackowski, William R.
;    APPLICANT:  Van Raay, Terence J.
;    APPLICANT:  Klinger, Katherine W.
;    TITLE OF INVENTION:  NOVEL HUMAN CHROMOSOME 16 GENES,
;    TITLE OF INVENTION:  COMPOSITIONS, METHODS OF MAKING AND USING SAME
;    NUMBER OF SEQUENCES:  83
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GENZYME CORPORATION
;      STREET:  One Mountain Road
;      CITY:  Framingham
;      STATE:  Massachusetts
;      COUNTRY:  United States of America
;      ZIP:  01701
```

```
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/762,500
;      FILING DATE:  09-DEC-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/665,259
;      FILING DATE:  17-JUN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/10469
;      FILING DATE:  17-JUN-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Dugan, Deborah A.
;      REGISTRATION NUMBER:  37,315
;      REFERENCE/DOCKET NUMBER:  IG5-9.3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (508) 872-8400
;      TELEFAX:  (508) 872-5415
;  INFORMATION FOR SEQ ID NO:  64:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligonucleotide primer"
US-08-762-500-64

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        602 TCCGACCTGCTGCTGCCC 619
              | || ||||| |||||||
Db         19 TGCGGCCTGCGGCTGCCC 2


RESULT 2321
US-09-289-267-40/c
; Sequence 40, Application US/09289267A
; Patent No. 6046320
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MDMX EXPRESSION
;  FILE REFERENCE: RTS-0049
;  CURRENT APPLICATION NUMBER: US/09/289,267A
;  CURRENT FILING DATE: 1999-04-04
;  NUMBER OF SEQ ID NOS: 166
; SEQ ID NO 40
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-289-267-40

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2414 GGTCTGTAAATACTGGTG 2431
              |||| ||| ||| |||||
Db         19 GGTCAGTACATAATGGTG 2


RESULT 2322
US-08-967-454-10
; Sequence 10, Application US/08967454
; Patent No. 6054273
;  GENERAL INFORMATION:
;    APPLICANT:  Housman, David E.
;    TITLE OF INVENTION:  INHIBITORS OF ALTERNATIVE ALLELES
;    TITLE OF INVENTION:  OF GENES AS A BASIC FOR CANCER
;    TITLE OF INVENTION:  THERAPEUTIC AGENTS
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/967,454
;      FILING DATE:  No. 6054273ember 11, 1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/379,680
;      FILING DATE:  Aprl 4, 1995
;      CLASSIFICATION:  435
;      APPLICATION NUMBER:  PCT/US94/08473
;      FILING DATE:  July 26, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/239
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-967-454-10

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1307 GTCTTGGAGACGAACATA 1324
              |||||||||| | || ||
Db          2 GTCTTGGAGAAGCACTTA 19


RESULT 2323
US-09-344-001-16
; Sequence 16, Application US/09344001
; Patent No. 6054440
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF Jun N-TERMINAL KINASE KINASE-2 EXPRESSION
;  FILE REFERENCE: RTS-0067
;  CURRENT APPLICATION NUMBER: US/09/344,001
;  CURRENT FILING DATE: 1999-06-24
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

```
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-001-16

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        416 GCCGCCGCCATCAACCCC 433
              | |||||||||| ||||
Db          1 GACGCCGCCATCTTCCCC 18


RESULT 2324
US-09-120-853-16
; Sequence 16, Application US/09120853
; Patent No. 6057437
; GENERAL INFORMATION:
;  APPLICANT: Kamiya, Kinya
;  APPLICANT: Matsuda, Yoko
;  APPLICANT: Uchida, Kiyoshi
;  TITLE OF INVENTION: AN ANTISENSE NUCLEIC ACID COMPOUND
;  FILE REFERENCE: 07898/030001
;  CURRENT APPLICATION NUMBER: US/09/120,853
;  CURRENT FILING DATE: 1998-07-21
;  EARLIER APPLICATION NUMBER: JP 213838/1997
;  EARLIER FILING DATE: 1997-07-25
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Artificial
;   OTHER INFORMATION: nucleic acid sequence
US-09-120-853-16

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1545 AGTAGGGAAGGAACAGGA 1562
              || || ||||||| ||||
Db          2 AGAAGAGAAGGAAGAGGA 19


RESULT 2325
US-08-779-916A-52/c
; Sequence 52, Application US/08779916A
; Patent No. 6063567
;  GENERAL INFORMATION:
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    APPLICANT:  Hui, May
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  123
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/779,916A
;      FILING DATE:  07-JAN-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/271,942
;      FILING DATE:  08-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-US2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  52:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 17 of human RB1 gene
US-08-779-916A-52

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        944 TCGTTACTGGGAGGTGTT 961
              | |||| || ||||||||
Db         19 TTGTTAGTGAGAGGTGTT 2


RESULT 2326
US-08-338-579A-52
; Sequence 52, Application US/08338579A
; Patent No. 6068975
;  GENERAL INFORMATION:
;    APPLICANT:  Gilliam, T. Conrad
;    APPLICANT:  Tanzi, Rudolph E.
;    TITLE OF INVENTION:  ISOLATION AND USES OF A WILSON'S
;    TITLE OF INVENTION:  DISEASE GENE
;    NUMBER OF SEQUENCES:  107
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/338,579A
;      FILING DATE:  June 17, 1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  0575/44011-A-PCT-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  52:
;    SEQUENCE CHARACTERISTICS:
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```
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
US-08-338-579A-52

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1054 CGCTCATGTGACTCTCCT 1071
              ||||||| ||||||||
Db          1 CGCTCATTGAACTCTCCT 18


RESULT 2327
US-09-359-757-14
; Sequence 14, Application US/09359757
; Patent No. 6080546
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: William Gaarde
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK5 EXPRESSION
;  FILE REFERENCE: RTS-0078
;  CURRENT APPLICATION NUMBER: US/09/359,757
;  CURRENT FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-359-757-14

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        543 CCCACCTCTCCGGGCTGG 560
              | || ||||||||||  ||
Db          1 CTCATCTCTCCGGGCCGG 18


RESULT 2328
US-09-359-757-15
; Sequence 15, Application US/09359757
; Patent No. 6080546
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: William Gaarde
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK5 EXPRESSION
;  FILE REFERENCE: RTS-0078
;  CURRENT APPLICATION NUMBER: US/09/359,757
;  CURRENT FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-359-757-15

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        543 CCCACCTCTCCGGGCTGG 560
              | || ||||||||||  ||
Db          3 CTCATCTCTCCGGGCCGG 20


RESULT 2329
US-09-359-757-24/c
; Sequence 24, Application US/09359757
; Patent No. 6080546
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: William Gaarde
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MEKK5 EXPRESSION
;  FILE REFERENCE: RTS-0078
;  CURRENT APPLICATION NUMBER: US/09/359,757
;  CURRENT FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 24
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-359-757-24

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        265 CTCCGCCGGGCAGCACCT 282
              | ||||||||||||  ||
Db         20 CGCCGCCGGGCAGCTTCT 3


RESULT 2330
US-09-166-186-54
; Sequence 54, Application US/09166186A
; Patent No. 6080580
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-a EXPRESSION
;  FILE REFERENCE: ISPH-0322
;  CURRENT APPLICATION NUMBER: US/09/166,186A
;  CURRENT FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 250
; SEQ ID NO 54
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-166-186-54

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2157 TTTTTCTCCTTTTTTTTT 2174
              | ||||||| | ||||||
Db          3 TCTTTCTCCATGTTTTTT 20


RESULT 2331
US-09-344-914-14/c
; Sequence 14, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
```

```
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-14

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1329 ACTGCTTGTCTCATTTCA 1346
              ||||||   |||||||||
Db         19 ACTGCTACCCTCATTTCA 2


RESULT 2332
US-09-344-914-48
; Sequence 48, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 48
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-48

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2144 CTGCTGATTGATTTTTTT 2161
              ||||||  || ||||  |||
Db          2 CTGCTGTTTTATTTATTT 19


RESULT 2333
US-09-344-914-49
; Sequence 49, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 49
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-49

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2144 CTGCTGATTGATTTTTTT 2161
              ||||||  || ||||  |||
Db          3 CTGCTGTTTTATTTATTT 20


RESULT 2334
US-09-344-914-77/c
; Sequence 77, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-77

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAAAAAA 2801
              |||||  ||||  |||  |||
Db         20 TGAAATAAAAGAAACAAA 3


RESULT 2335
US-08-795-430-30/c
; Sequence 30, Application US/08795430
; Patent No. 6130071
;  GENERAL INFORMATION:
;    APPLICANT:  Alitalo, Kari
;    APPLICANT:  Joukov, Vladimir
;    TITLE OF INVENTION:  Vascular Endothelial Growth Factor C (VEGF-C)
;    TITLE OF INVENTION:  Protein and Gene, Mutants Thereof, and Uses Thereof
;    NUMBER OF SEQUENCES:  57
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  United States of America
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/795,430
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/FI96/00427
;      FILING DATE:  01-AUG-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/671,573
;      FILING DATE:  28-JUN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/601,132
;      FILING DATE:  14-FEB-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/585,895
;      FILING DATE:  12-JAN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/510,133
;      FILING DATE:  01-AUG-1995
```

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;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/340,011
;      FILING DATE:  14-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gass, David A.
;      REGISTRATION NUMBER:  38,153
;      REFERENCE/DOCKET NUMBER:  28967/33691
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-795-430-30

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2593 TTAATTGAAACTCTCTGT 2610
              |||||| | |||| ||||
Db         20 TTAATTCATACTCACTGT 3


RESULT 2336
US-09-358-384-44/c
; Sequence 44, Application US/09358384
; Patent No. 6130088
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TELOMERIC REPEAT BINDING FACTOR 1 EXPRESS
;  FILE REFERENCE: RTS-0083
;  CURRENT APPLICATION NUMBER: US/09/358,384
;  CURRENT FILING DATE: 1999-07-21
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 44
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-358-384-44

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1921 CTTTTTTTTCAGTGTTAA 1938
              ||||| || ||||||| |
Db         19 CTTTGTTCCAGTGTTTA 2


RESULT 2337
US-09-418-640-15/c
; Sequence 15, Application US/09418640
; Patent No. 6140125
; GENERAL INFORMATION:
;  APPLICANT: Jennifer K. Taylor
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BCL-6 EXPRESSION
;  FILE REFERENCE: RTS-0102
;  CURRENT APPLICATION NUMBER: US/09/418,640
;  CURRENT FILING DATE: 1999-10-15
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 15
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-418-640-15

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        157 GCCGGACGCCATGTTGTG 174
              ||||||| ||| ||| ||
Db         20 GCCGGACACCAGGTTTTG 3


RESULT 2338
US-09-429-323-56/c
; Sequence 56, Application US/09429323A
; Patent No. 6140126
; Patent No. 6140126 6140123
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF Y-BOX BINDING PROTEIN 1 EXPRESSION
;  FILE REFERENCE: RTS-0092
;  CURRENT APPLICATION NUMBER: US/09/429,323A
;  CURRENT FILING DATE: 1999-10-26
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 56
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-429-323-56

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        911 AGGCGACTGTCCCCACCT 928
              ||||||  || |||||||
Db         19 AGGCGAAGGTTCCCACCT 2


RESULT 2339
US-08-765-340-29/c
; Sequence 29, Application US/08765340
; Patent No. 6150092
;  GENERAL INFORMATION:
;    APPLICANT:  UCHIDA, K.,
;    APPLICANT:  UCHIDA, T.,
;    APPLICANT:  TANAKA, Y.,
;    APPLICANT:  MATSUDA, Y.,
;    APPLICANT:  KONDO, S.
;    TITLE OF INVENTION:  AN ANTISENSE NUCLEIC ACID
;    TITLE OF INVENTION:  COMPOUND
;    NUMBER OF SEQUENCES:  185
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORGAN & FINNEGAN, L.L.P.
;      STREET:  345 PARK AVENUE
;      CITY:  NEW YORK
;      STATE:  NEW YORK
;      COUNTRY:  USA
;      ZIP:  10154
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/765,340
;      FILING DATE:  23-DEC-1996
```

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;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 145146/94
;      FILING DATE:  27-JUN-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 311130/94
;      FILING DATE:  21-NOV-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SERUNIAN, LESLIE
;      REGISTRATION NUMBER:  35,353
;      REFERENCE/DOCKET NUMBER:  1452-4005
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 758-4800
;      TELEFAX:  (212) 751-6849
;  INFORMATION FOR SEQ ID NO:  29:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "synthetic DNA"
US-08-765-340-29

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        785 CTCCCCTGTCAGAAGGAG 802
              | ||| || |||||||||
Db         19 CACCCATGGCAGAAGGAG 2


RESULT 2340
US-09-435-296-77/c
; Sequence 77, Application US/09435296
; Patent No. 6171860
; GENERAL INFORMATION:
;  APPLICANT: Brenda F. Baker
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RANK EXPRESSION
;  FILE REFERENCE: RTS-0116
;  CURRENT APPLICATION NUMBER: US/09/435,296
;  CURRENT FILING DATE: 1999-11-05
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-435-296-77

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        461 CAGCAGCAGGCCTGGCCC 478
              |||| |||||||  ||||
Db         18 CAGCTGCAGGCCACGCCC 1


RESULT 2341
US-09-428-219-84
; Sequence 84, Application US/09428219
; Patent No. 6177273
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN-LINKED KINASE EXPRESSION
;  FILE REFERENCE: RTS-0101
;  CURRENT APPLICATION NUMBER: US/09/428,219
;  CURRENT FILING DATE: 1999-10-27
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 84
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-219-84

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1461 ACCAGAGTCCAGCTGATT 1478
              ||||||| || |||| ||
Db          3 ACCAGAGGCCTGCTGCTT 20


RESULT 2342
US-09-517-584A-19/c
; Sequence 19, Application US/09517584A
; Patent No. 6187587
; GENERAL INFORMATION:
;  APPLICANT:      Ian Popoff
;  APPLICANT:  Vickie L. Brown-Driver
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF E2F TRANSCRIPTION FACTOR 1 EXPRESSIO
;  FILE REFERENCE:      RTS-0121
;  CURRENT APPLICATION NUMBER: US/09/517,584A
;  CURRENT FILING DATE:  2000-03-22
;  NUMBER OF SEQ ID NOS:      89
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-584A-19

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        440 CAGCCGGCGCCCACAGGC 457
              | |||||| ||||| |||
Db         20 CCGCCGGCTCCCACCGGC 3


RESULT 2343
US-08-979-672-2
; Sequence 2, Application US/08979672
; Patent No. 6197503
;  GENERAL INFORMATION:
;    APPLICANT:  Vo-Dinh, Tuan
;    APPLICANT:  Wintenberg, Alan
;    APPLICANT:  Ericson, Milton N.
;    TITLE OF INVENTION:  INTEGRATED CIRCUIT BIOCHIP MICROSYSTEM
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  USA
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/979,672
;      FILING DATE:  Concurrently Herewith
;      CLASSIFICATION:  250
```

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;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kitchell, Barbara S.
;      REGISTRATION NUMBER:  33,928
;      REFERENCE/DOCKET NUMBER:  ORNL:002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  512/418-3000
;      TELEFAX:  512/474-7577
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-979-672-2

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        347 CCCCCTCCCTACCAGCAG 364
              || ||||| | |||||||
Db          1 CCTCCTCCTTCCCAGCAG 18


RESULT 2344
US-09-103-875-128
; Sequence 128, Application US/09103875A
; Patent No. 6221849
; GENERAL INFORMATION:
;  APPLICANT: Szyf, Moshe
;  APPLICANT: Bigey, Pascal
;  APPLICANT: Ramchandani, Shyam
;  TITLE OF INVENTION: DNA METHYLTRANSFERASE GENOMIC SEQUENCES AND ANTISENSE
;  TITLE OF INVENTION: OLIGONUCLEOTIDES
;  FILE REFERENCE: 106101.194
;  CURRENT APPLICATION NUMBER: US/09/103,875A
;  CURRENT FILING DATE: 1998-06-24
;  EARLIER APPLICATION NUMBER: 60/069,865
;  EARLIER FILING DATE: 1997-12-17
;  EARLIER APPLICATION NUMBER: 08/866,340
;  EARLIER FILING DATE: 1997-05-30
;  NUMBER OF SEQ ID NOS: 138
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 128
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Oligonucleotide
US-09-103-875-128

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1741 TGACAAGTACTGGCTCTT 1758
              |||||  ||| |||||||
Db          2 TGACACCTACCGGCTCTT 19


RESULT 2345
US-09-313-932-54
; Sequence 54, Application US/09313932A
; Patent No. 6228642
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
;  TITLE OF INVENTION: EXPRESSION
;  FILE REFERENCE: ISPH-0356
;  CURRENT APPLICATION NUMBER: US/09/313,932A
;  CURRENT FILING DATE: 1999-05-18
;  NUMBER OF SEQ ID NOS: 501
; SEQ ID NO 54
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-313-932-54

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2157 TTTTTCTCCTTTTTTTTT 2174
              | ||||||| | ||||||
Db          3 TCTTTCTCCATGTTTTTT 20


RESULT 2346
US-09-313-932-358/c
; Sequence 358, Application US/09313932A
; Patent No. 6228642
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
;  TITLE OF INVENTION: EXPRESSION
;  FILE REFERENCE: ISPH-0356
;  CURRENT APPLICATION NUMBER: US/09/313,932A
;  CURRENT FILING DATE: 1999-05-18
;  NUMBER OF SEQ ID NOS: 501
; SEQ ID NO 358
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-313-932-358

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2099 TCAAACGGGGGCCTTCTG 2116
              |||||| ||||||| | |
Db         20 TCAAACTGGGGCCTCCAG 3


RESULT 2347
US-09-313-932-375/c
; Sequence 375, Application US/09313932A
; Patent No. 6228642
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
;  TITLE OF INVENTION: EXPRESSION
;  FILE REFERENCE: ISPH-0356
;  CURRENT APPLICATION NUMBER: US/09/313,932A
;  CURRENT FILING DATE: 1999-05-18
;  NUMBER OF SEQ ID NOS: 501
; SEQ ID NO 375
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
```

US-09-313-932-375

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2442 GACTTTTTTGAGACATGG 2459
              ||||| |||||||| ||
Db         18 GACTTCCTTGAGACACGG 1
```

RESULT 2348
US-09-313-930-5
; Sequence 5, Application US/09313930
; Patent No. 6235723
; GENERAL INFORMATION:
; APPLICANT: Dean, Nicholas M.
; TITLE OF INVENTION: Antisense Oligonucleotide Modulation of Human Protein
; TITLE OF INVENTION: Kinase C-delta Expression
; FILE REFERENCE: ISPH-0357
; CURRENT APPLICATION NUMBER: US/09/313,930
; CURRENT FILING DATE: 1999-05-18
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-313-930-5

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1660 TCTGCATCACCCGCCCCT 1677
              |||| || || |||||||
Db          2 TCTGGATGACGCGCCCCT 19
```

RESULT 2349
US-09-021-701-560
; Sequence 560, Application US/09021701
; Patent No. 6251588
; GENERAL INFORMATION:
; APPLICANT: Shannon, Karen W.
; APPLICANT: Wolber, Paul K.
; APPLICANT: Delenstarr, Glenda C.
; APPLICANT: Webb, Peter G.
; APPLICANT: Kincaid, Robert H.
; TITLE OF INVENTION: Methods for evaluating oligonucleotide
; TITLE OF INVENTION: probe sequences
; NUMBER OF SEQUENCES: 1165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard Company M/S 20
; STREET: 3000 Hanover Street
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/021,701
; FILING DATE: 10-FEB-1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Choi, Wendy A.
; REGISTRATION NUMBER: 36,697
; REFERENCE/DOCKET NUMBER: 10971464-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-236-2386
; TELEFAX: 650-852-8063
; INFORMATION FOR SEQ ID NO: 560:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-09-021-701-560

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2176 TTTTTTTTTTTAACTTTG 2193
              |||| |||||||||  ||
Db          1 TTTTCTTTTTTAACCCTG 18
```

RESULT 2350
US-09-487-445-94/c
; Sequence 94, Application US/09487445
; Patent No. 6258600
; GENERAL INFORMATION:
; APPLICANT: Hong Zhang
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 8 EXPRESSION
; FILE REFERENCE: RTS-0107
; CURRENT APPLICATION NUMBER: US/09/487,445
; CURRENT FILING DATE: 2000-01-19
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 94
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-445-94

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        898 GGCTGAAGTACAGAGGCG 915
              ||||| ||| ||| ||||
Db         19 GGCTGGAGTGCAGTGGCG 2
```

RESULT 2351
US-09-377-309-75
; Sequence 75, Application US/09377309B
; Patent No. 6258790
; GENERAL INFORMATION:
; APPLICANT: Bennett, C. Frank
; APPLICANT: Condon, Tom P.
; APPLICANT: Cowsert, Lex M.
; TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN 4 EXPRESSION
; FILE REFERENCE: ISPH-0390
; CURRENT APPLICATION NUMBER: US/09/377,309B
; CURRENT FILING DATE: 1999-08-19
; EARLIER APPLICATION NUMBER: 09/166,203
; EARLIER FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 99
; SEQ ID NO 75
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:

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;   OTHER INFORMATION: antisense sequence
US-09-377-309-75

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1900 AGATCAACAGATCAACAA 1917
              ||||||||||   ||||
Db          3 AGATCAACAGAAGTACAA 20


RESULT 2352
US-09-487-368A-102
; Sequence 102, Application US/09487368A
; Patent No. 6261840
; GENERAL INFORMATION:
;  APPLICANT:      Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE:      RTS-0093
;  CURRENT APPLICATION NUMBER: US/09/487,368A
;  CURRENT FILING DATE:  2000-01-18
;  NUMBER OF SEQ ID NOS:      240
; SEQ ID NO 102
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-368A-102

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1133 GCCGAATTTCCTAGTAAA 1150
              | |||||  |||| |||||
Db          2 GTCGAATATCCTGGTAAA 19


RESULT 2353
US-09-487-368A-224/c
; Sequence 224, Application US/09487368A
; Patent No. 6261840
; GENERAL INFORMATION:
;  APPLICANT:      Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE:      RTS-0093
;  CURRENT APPLICATION NUMBER: US/09/487,368A
;  CURRENT FILING DATE:  2000-01-18
;  NUMBER OF SEQ ID NOS:      240
; SEQ ID NO 224
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-368A-224

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1287 GGACCAGCAGGCTCGCCC 1304
              || | ||||||| |||||
Db         19 GGGCAAGCAGGCCCGCCC 2


RESULT 2354
US-08-750-232-52/c
; Sequence 52, Application US/08750232
; Patent No. 6270963
; GENERAL INFORMATION:
;  APPLICANT:  Visible Genetics Inc.
;  APPLICANT:  Stevens, John K.
;  APPLICANT:  Dunn, James M.
;  APPLICANT:  Capatos, Denis
;  APPLICANT:  Matthews, David E.
;  TITLE OF INVENTION:  Method for Testing for Mutations in DNA
;  TITLE OF INVENTION:  from a Patient Sample
;  NUMBER OF SEQUENCES:  62
;  CORRESPONDENCE ADDRESS:
;    ADDRESSEE:  Oppedahl & Larson
;    STREET:  1992 Commerce Street, Suite 309
;    CITY:  Yorktown Heights
;    STATE:  NY
;    COUNTRY:  USA
;    ZIP:  10598-4412
;  COMPUTER READABLE FORM:
;    MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;    COMPUTER:  IBM Compatible
;    OPERATING SYSTEM:  DOS 5.0
;    SOFTWARE:  Word Perfect
;  CURRENT APPLICATION DATA:
;    APPLICATION NUMBER:  US/08/750,232
;    FILING DATE:
;    CLASSIFICATION:  435
;  PRIOR APPLICATION DATA:
;    APPLICATION NUMBER:  US 08/271,946
;    FILING DATE:  08-JUL-1994
;  ATTORNEY/AGENT INFORMATION:
;    NAME:  Marina T. Larson
;    REGISTRATION NUMBER:  32,038
;    REFERENCE/DOCKET NUMBER:  VGEN.P-002-WO
;  TELECOMMUNICATION INFORMATION:
;    TELEPHONE:  (914) 245-3252
;    TELEFAX:  (914) 962-4330
;    TELEX:
; INFORMATION FOR SEQ ID NO:  52:
;  SEQUENCE CHARACTERISTICS:
;    LENGTH:  20
;    TYPE:  nucleic acid
;    STRANDEDNESS:  single
;    TOPOLOGY:  linear
;  MOLECULE TYPE:  genomic DNA
;  HYPOTHETICAL:  no
;  ANTI-SENSE:  no
;  FRAGMENT TYPE:  internal
;  ORIGINAL SOURCE:
;    ORGANISM:  human
;  FEATURE:
;    NAME/KEY:  primer for exon 17 of human RB1 gene
US-08-750-232-52

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        944 TCGTTACTGGGAGGTGTT 961
              | |||| || |||||||||
Db         19 TTGTTAGTGAGAGGTGTT 2


RESULT 2355
US-09-428-583-24/c
; Sequence 24, Application US/09428583
; Patent No. 6271029
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-2 EXPRESSION
;  FILE REFERENCE: RTS-0096
;  CURRENT APPLICATION NUMBER: US/09/428,583
;  CURRENT FILING DATE: 1999-10-27
```

```
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 24
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-583-24

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        795 AGAAGGAGCTGGTGGGGG 812
              || |||||||| ||| ||
Db         20 AGCAGGAGCTGCTGGTGG 3


RESULT 2356
US-09-428-583-87/c
; Sequence 87, Application US/09428583
; Patent No. 6271029
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-2 EXPRESSION
;  FILE REFERENCE: RTS-0096
;  CURRENT APPLICATION NUMBER: US/09/428,583
;  CURRENT FILING DATE: 1999-10-27
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 87
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-583-87

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1198 GATGGCAGCTAGGAAGAA 1215
              | |||||||| || |||||
Db         20 GCTGGCAGCGAGAAAGAA 3


RESULT 2357
US-09-593-711A-43
; Sequence 43, Application US/09593711A
; Patent No. 6271030
; GENERAL INFORMATION:
;  APPLICANT:    Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
;  FILE REFERENCE:    RTS-0118
;  CURRENT APPLICATION NUMBER: US/09/593,711A
;  CURRENT FILING DATE:  2000-06-14
;  NUMBER OF SEQ ID NOS:    244
; SEQ ID NO 43
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-43

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        152 GGGACGCCGGACGCCATG 169
              |||| ||| | |||||||
Db          1 GGGAAGCCCGCCGCCATG 18


RESULT 2358
US-08-397-220B-44
; Sequence 44, Application US/08397220B
; Patent No. 6284458
;   GENERAL INFORMATION:
;        APPLICANT: Anderson et al.
;        TITLE OF INVENTION: Compositions And Methods For Treatment
;                            Of Hepatitis C Virus-Associated Diseases
;        NUMBER OF SEQUENCES: 98
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Jane Massey Licata, Esq.
;             STREET: 210 Lake Drive East, Suite 201
;             CITY: Cherry Hill
;             STATE: NJ
;             COUNTRY: USA
;             ZIP: 08002
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;             COMPUTER: IBM 486
;             OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
;             SOFTWARE: WORDPERFECT 5.1
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/08/397,220B
;             FILING DATE: 09-Mar-1995
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: PCT/JP93/01293
;             FILING DATE: 10-Sep-93
;             APPLICATION NUMBER: JP 5-87195
;             FILING DATE: 14-Apr-93
;             APPLICATION NUMBER: 07/945,289
;             FILING DATE: 10-Sep-92
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Jane Massey Licata
;             REGISTRATION NUMBER: 32,257
;             REFERENCE/DOCKET NUMBER: ISPH-0031
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (609) 779-2400
;             TELEFAX: (609) 779-8488
;   INFORMATION FOR SEQ ID NO: 44:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: nucleic acid
;             STRANDEDNESS: Single
;             TOPOLOGY: Linear
;        ANTI-SENSE: Yes
;        SEQUENCE DESCRIPTION: SEQ ID NO: 44:
US-08-397-220B-44

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        113 GGCTGGGGGGATCCTGGA 130
              ||  |||||| |||||||
Db          2 GGGAGGGGGGGTCCTGGA 19


RESULT 2359
US-09-467-642-64/c
; Sequence 64, Application US/09467642
; Patent No. 6300132
; GENERAL INFORMATION:
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF TELOMERIC REPEAT BINDING FACTOR 2 EXPRE
;  FILE REFERENCE:  RTS-0106
;  CURRENT APPLICATION NUMBER: US/09/467,642
;  CURRENT FILING DATE:  1999-12-20
```

; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 64
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-467-642-64

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 898 GGCTGAAGTACAGAGGCG 915
||||| ||| ||| ||||
Db 20 GGCTGGAGTGCAGTGGCG 3

RESULT 2360
US-09-593-589-19/c
; Sequence 19, Application US/09593589
; Patent No. 6306655
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Madeline M. Butler
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF C/EBP ALPHA EXPRESSION
; FILE REFERENCE: RTS-0119
; CURRENT APPLICATION NUMBER: US/09/593,589
; CURRENT FILING DATE: 2000-06-13
; NUMBER OF SEQ ID NOS: 94
; SEQ ID NO 19
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-589-19

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 555 GGCTGGAGGCGGGCGCGG 572
|||||||||| | || ||
Db 19 GGCTGGAGGCCGCCGAGG 2

RESULT 2361
US-09-593-589-60
; Sequence 60, Application US/09593589
; Patent No. 6306655
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Madeline M. Butler
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF C/EBP ALPHA EXPRESSION
; FILE REFERENCE: RTS-0119
; CURRENT APPLICATION NUMBER: US/09/593,589
; CURRENT FILING DATE: 2000-06-13
; NUMBER OF SEQ ID NOS: 94
; SEQ ID NO 60
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-589-60

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 10 CGCCGATGCGTGTCCAGT 27
| ||| ||||||||||
Db 1 CCCCGCAGCGTGTCCAGT 18

RESULT 2362
US-09-364-416-75/c
; Sequence 75, Application US/09364416
; Patent No. 6312900
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
; APPLICANT: Miraglia; Brenda F. Baker
; TITLE OF INVENTION: Antisense Oligonucleotide
; TITLE OF INVENTION: Compositions and Methods for the Modulation of
; TITLE OF INVENTION: Activating Protein 1
; NUMBER OF SEQUENCES: 139
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: WINDOWS 95
; SOFTWARE: WORDPERFECT 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/364,416
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/837,201
; FILING DATE: April 14, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0209
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 810-1515
; TELEFAX: (609) 810-1454
; INFORMATION FOR SEQ ID NO: 75:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-09-364-416-75

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 52 CGGCGGGGGCGGCGGCAG 69
|||||| |||||| |||
Db 20 CGGCGGCGGCGGCTACAG 3

RESULT 2363
US-08-829-637A-65
; Sequence 65, Application US/08829637A
; Patent No. 6339066
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Phillip Dan Cook
; APPLICANT: Nicholas Dean
; APPLICANT: Glenn Hoke
; TITLE OF INVENTION: OLIGONUCLEOTIDES WHICH HAVE
; TITLE OF INVENTION: PHOSPHOROTHIOATE LINKAGES OF HIGH CHIRAL PURITY AND
; TITLE OF INVENTION: WHICH MODULATE aI, aII, , k, n, AND ISOFORMS OF
; TITLE OF INVENTION: PROTEIN KINASE C

```
;    NUMBER OF SEQUENCES:  136
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John W. Caldwell (28,937) Woodcock
;      ADDRESSEE:  Washburn Kurtz Mackiewicz & No. 6339066ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/829,637A
;      FILING DATE:  herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/481,066
;      FILING DATE:  07-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/470,129
;      FILING DATE:  06-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/469,851
;      FILING DATE:  06-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/468,569
;      FILING DATE:  06-JUN-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/089,996
;      FILING DATE:  09-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/058,023
;      FILING DATE:  05-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/777,007
;      FILING DATE:  16-OCT-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/777,760
;      FILING DATE:  15-OCT-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/852,852
;      FILING DATE:  16-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/00243
;      FILING DATE:  11-JAN-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/566,977
;      FILING DATE:  13-AUG-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/436,358
;      FILING DATE:  11-JAN-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:
;      REGISTRATION NUMBER:
;      REFERENCE/DOCKET NUMBER:  ISIS-
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
US-08-829-637A-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1660 TCTGCATCACCCGCCCCT 1677
              |||| || || |||||||
Db          2 TCTGGATGACGCGCCCCT 19


RESULT 2364
US-09-434-131A-8/c
; Sequence 8, Application US/09434131A
; Patent No. 6344345
; GENERAL INFORMATION:
;  APPLICANT:  HAYASHIZAKI, Yoshihide
;  TITLE OF INVENTION:  METHOD FOR PRODUCING DOUBLE-STRANDED DNA WHOSE TERMINAL
;  TITLE OF INVENTION:  HOMOPOLYMER PART IS ELIMINATED AND METHOD FOR
;  TITLE OF INVENTION:  DETERMINING NUCLEOTIDE SEQUENCE
;  FILE REFERENCE:  024705-093
;  CURRENT APPLICATION NUMBER:  US/09/434,131A
;  CURRENT FILING DATE:  1999-11-05
;  PRIOR APPLICATION NUMBER:  JP 316102/1998
;  PRIOR FILING DATE:  1998-11-06
;  NUMBER OF SEQ ID NOS:  14
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:hemimethylated
;   OTHER INFORMATION: cDNA
US-09-434-131A-8

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2162 CTCCTTTTTTTTTTTTTT 2179
              |||   ||||||||||||
Db         18 CTCGAGTTTTTTTTTTTT 1

RESULT 2365
US-09-355-700-30/c
; Sequence 30, Application US/09355700
; Patent No. 6361946
;  GENERAL INFORMATION:
;       APPLICANT: Ludwig Institute for Cancer Research
;                  Helsinki University Licensing
;                  Alitalo, Kari(U.S. only)
;                  Joukov, Vladimir (U.S. only)
;       TITLE OF INVENTION: Vascular Endothelial Growth Factor C (VEGF-C)
;                           Protein and Gene, Mutants Thereof, and Uses Thereof
;       NUMBER OF SEQUENCES: 59
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
;            STREET: 6300 Sears Tower, 233 South Wacker Drive
;            CITY: Chicago
;            STATE: Illinois
;            COUNTRY: United States of America
;            ZIP: 60606-6402
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/355,700
;            FILING DATE: 05-No. 6361946-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/795,430
;            FILING DATE: 05-FEB-1997
;            APPLICATION NUMBER: PCT/FI96/00427
;            FILING DATE: 01-AUG-1996
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;             APPLICATION NUMBER: 08/671,573
;             FILING DATE: 28-JUN-1996
;             APPLICATION NUMBER: 08/601,132
;             FILING DATE: 14-FEB-1996
;             APPLICATION NUMBER: 08/585,895
;             FILING DATE: 12-JAN-1996
;             APPLICATION NUMBER: 08/510,133
;             FILING DATE: 01-AUG-1995
;             APPLICATION NUMBER: 08/340,011
;             FILING DATE: 14-NOV-1994
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Gass, David A.
;            REGISTRATION NUMBER: 38,153
;            REFERENCE/DOCKET NUMBER: 28967/34140
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 312/474-6300
;            TELEFAX: 312/474-0448
;            TELEX: 25-3856
;   INFORMATION FOR SEQ ID NO: 30:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-09-355-700-30

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2593 TTAATTGAAACTCTCTGT 2610
              |||||| | |||| ||||
Db         20 TTAATTCATACTCACTGT 3


RESULT 2366
US-08-650-093C-44
; Sequence 44, Application US/08650093C
; Patent No. 6391542
;   GENERAL INFORMATION:
;       APPLICANT: Kevin P. Anderson et al.
;       TITLE OF INVENTION: Compositions And Methods For Treatment  Of
;                           Hepatitis C Virus-Associated Diseases
;       NUMBER OF SEQUENCES: 118
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: LICATA & TYRRELL P.C.
;            STREET: 66 E. Main Street
;            CITY: Marlton
;            STATE: NJ
;            COUNTRY: USA
;            ZIP: 08053
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: Windows 95
;            SOFTWARE: WORDPERFECT 6.1 for Windows
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/650,093C
;            FILING DATE: 17-May-1996
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/452,841
;            FILING DATE: May 30, 1995
;            APPLICATION NUMBER: 08/397,220
;            FILING DATE: March 9, 1995
;            APPLICATION NUMBER: 07/945,289
;            FILING DATE: September 10, 1992
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Jane Massey Licata
;            REGISTRATION NUMBER: 32,257
;            REFERENCE/DOCKET NUMBER: ISPH-
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (609) 779-2400
;            TELEFAX: (609) 779-8488
;   INFORMATION FOR SEQ ID NO: 44:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20
;            TYPE: Nucleic Acid
;            STRANDEDNESS: Single
;            TOPOLOGY: Linear
;       ANTI-SENSE: Yes
;       SEQUENCE DESCRIPTION: SEQ ID NO: 44:
US-08-650-093C-44

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        113 GGCTGGGGGGATCCTGGA 130
              ||  |||||| |||||||
Db          2 GGGAGGGGGGGTCCTGGA 19


RESULT 2367
US-09-065-383-16/c
; Sequence 16, Application US/09065383
; Patent No. 6391543
;  GENERAL INFORMATION:
;    APPLICANT:  BILLING-MEDEL, PATRICIA
;    APPLICANT:  COHEN, MAURICE
;    APPLICANT:  COLPITTS, TRACEY L.
;    APPLICANT:  FRIEDMAN, PAULA N.
;    APPLICANT:  GORDON, JULIAN
;    APPLICANT:  GRANADOS, EDWARD N.
;    APPLICANT:  HODGES, STEVEN C.
;    APPLICANT:  KLASS, MICHAEL R.
;    APPLICANT:  KRATOCHVIL, JON D.
;    APPLICANT:  ROBERTS-RAPP, LISA
;    APPLICANT:  RUSSELL, JOHN C.
;    APPLICANT:  STROUPE, STEPHEN D.
;    TITLE OF INVENTION:  REAGENTS AND METHODS USEFUL
;    TITLE OF INVENTION:  FOR DETECTING DISEASES OF THE PROSTATE
;    NUMBER OF SEQUENCES:  33
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/065,383
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/842,385
;      FILING DATE:  23-APR-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Becker, Cheryl L.
;      REGISTRATION NUMBER:  35,441
;      REFERENCE/DOCKET NUMBER:  6084.US.P1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847/935-1729
;      TELEFAX:  847/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
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;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-065-383-16

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        546 ACCTCTCCGGGCTGGAGG 563
              | | || ||||||||||| 
Db         18 AACACTGCGGGCTGGAGG 1


RESULT 2368
US-09-167-109-56/c
; Sequence 56, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda F.
;  APPLICANT: Cowsert, Lex M.
;  APPLICANT: Monia, Brett P.
;  APPLICANT: Xu, Xiaoxing S.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
;  FILE REFERENCE: ISPH-0321
;  CURRENT APPLICATION NUMBER: US/09/167,109
;  CURRENT FILING DATE: 1998-10-06
;  NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 56
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-167-109-56

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        683 CAGATGGACGAGGTGCAG 700
              |||  | ||||||||||| 
Db         20 CAGGAGCACGAGGTGCAG 3


RESULT 2369
US-09-792-594-37
; Sequence 37, Application US/09792594
; Patent No. 6436706
; GENERAL INFORMATION:
;  APPLICANT:  Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF RECQL4 EXPRESSION
;  FILE REFERENCE:  RTS-0209
;  CURRENT APPLICATION NUMBER: US/09/792,594
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS:  89
; SEQ ID NO 37
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-792-594-37

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         65 GGCAGACGCCTGGTCACC 82
              | ||||| |||||||| | 
Db          3 GCCAGACACCTGGTCATC 20


RESULT 2370
US-09-907-843-19/c
; Sequence 19, Application US/09907843
; Patent No. 6440739
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GLIOMA-ASSOCIATED ONCOGENE-2 EXPRESSION
;  FILE REFERENCE: RTS-0279
;  CURRENT APPLICATION NUMBER: US/09/907,843
;  CURRENT FILING DATE:  2001-07-17
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-907-843-19

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        631 CCTGGATGCCGCGGGCCT 648
              |||||| ||||| ||| | 
Db         20 CCTGGAGGCCGCTGGCTT 3


RESULT 2371
US-09-907-843-31/c
; Sequence 31, Application US/09907843
; Patent No. 6440739
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF GLIOMA-ASSOCIATED ONCOGENE-2 EXPRESSION
;  FILE REFERENCE: RTS-0279
;  CURRENT APPLICATION NUMBER: US/09/907,843
;  CURRENT FILING DATE:  2001-07-17
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 31
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-907-843-31

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1567 AAAAATCCTTCTCCACCG 1584
              | ||| |||||||||| || 
Db         18 ACAAAGCCTTCTCCAACG 1


RESULT 2372
US-09-470-443-102
; Sequence 102, Application US/09470443
; Patent No. 6441156
; GENERAL INFORMATION:
;  APPLICANT: Lerman, Michael I.
;  APPLICANT: Minna, John D.
;  APPLICANT: Latif, Farida
;  APPLICANT: Wei, Ming-Hui
;  APPLICANT: Sekido, Yoshitaka
;  APPLICANT: Gao, Boning
;  APPLICANT: Duh, Fuh-Mei
;  TITLE OF INVENTION: Calcium Channel Compositions and Methods of Use Thereof
;  FILE REFERENCE: NIH-05043
;  CURRENT APPLICATION NUMBER: US/09/470,443
```

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;  CURRENT FILING DATE: 1999-12-22
;  EARLIER APPLICATION NUMBER: 60/114,359
;  EARLIER FILING DATE: 1998-12-30
;  NUMBER OF SEQ ID NOS: 114
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 102
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
US-09-470-443-102

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1257 AACTTCTCAGCCAAGACC 1274
              ||||||||||||  |  ||
Db          1 AACTTCTCAGCCCAAGCC 18


RESULT 2373
US-09-328-174A-85/c
; Sequence 85, Application US/09328174A
; Patent No. 6448003
; GENERAL INFORMATION:
;  APPLICANT:  Guida, Marco
;  APPLICANT:  Kurth, Janice
;  TITLE OF INVENTION:  Genotyping Human Phenol Sulfotransferase
;  TITLE OF INVENTION:  (STP2)
;  FILE REFERENCE:  4389-6 (formerly SEQ-16P)
;  CURRENT APPLICATION NUMBER: US/09/328,174A
;  CURRENT FILING DATE:  1999-06-08
;  PRIOR APPLICATION NUMBER:  09/328,174
;  PRIOR FILING DATE:  1999-06-08
;  NUMBER OF SEQ ID NOS:  110
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 85
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-328-174A-85

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2511 TCATAAGGTTTTATTCAT 2528
              |||||  |||  ||  |||||
Db         18 TCATAGGGTCTTCTTCAT 1


RESULT 2374
US-09-328-174A-86/c
; Sequence 86, Application US/09328174A
; Patent No. 6448003
; GENERAL INFORMATION:
;  APPLICANT:  Guida, Marco
;  APPLICANT:  Kurth, Janice
;  TITLE OF INVENTION:  Genotyping Human Phenol Sulfotransferase
;  TITLE OF INVENTION:  (STP2)
;  FILE REFERENCE:  4389-6 (formerly SEQ-16P)
;  CURRENT APPLICATION NUMBER: US/09/328,174A
;  CURRENT FILING DATE:  1999-06-08
;  PRIOR APPLICATION NUMBER:  09/328,174
;  PRIOR FILING DATE:  1999-06-08
;  NUMBER OF SEQ ID NOS:  110
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 86
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-328-174A-86

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2511 TCATAAGGTTTTATTCAT 2528
              |||||  |||  ||  |||||
Db         18 TCATAGGGTCTTCTTCAT 1


RESULT 2375
US-09-771-530A-1
; Sequence 1, Application US/09771530A
; Patent No. 6448064
; GENERAL INFORMATION:
;  APPLICANT: TUAN, VO-DINH
;  TITLE OF INVENTION: INTEGRATED CIRCUIT BIOCHIP MICROSYSTEM
;  FILE REFERENCE: 6321-213CON
;  CURRENT APPLICATION NUMBER: US/09/771,530A
;  CURRENT FILING DATE:  2001-01-29
;  NUMBER OF SEQ ID NOS: 1
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Nucleic Acid Sequence Used In Gene Probe Biosensor
; Patent No. 6448064
US-09-771-530A-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        347 CCCCCTCCCTACCAGCAG 364
              ||  |||||  |  |||||||
Db          1 CCTCCTCCTTCCCAGCAG 18


RESULT 2376
US-09-517-467B-97/c
; Sequence 97, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
;  APPLICANT: Ian Popoff
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
;  FILE REFERENCE: RTS-0150
;  CURRENT APPLICATION NUMBER: US/09/517,467B
;  CURRENT FILING DATE:  2001-03-02
;  PRIOR APPLICATION NUMBER: 09/517,467
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 97
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-467B-97

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        995 TCCTTGCGGGAGAAGTTG 1012
              ||||   ||||||||||||
Db         18 TCCTGTTGGGAGAAGTTG 1


RESULT 2377
```

```
US-09-517-467B-297
; Sequence 297, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
;  APPLICANT: Ian Popoff
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
;  FILE REFERENCE: RTS-0150
;  CURRENT APPLICATION NUMBER: US/09/517,467B
;  CURRENT FILING DATE:  2001-03-02
;  PRIOR APPLICATION NUMBER: 09/517,467
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 297
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-467B-297

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        498 GAGCGGGGCTGCCCTCGC 515
              |||| ||||||| | |||
Db          1 GAGCAGGGCTGCACCCGC 18


RESULT 2378
US-09-780-173A-18/c
; Sequence 18, Application US/09780173A
; Patent No. 6455307
; GENERAL INFORMATION:
;  APPLICANT: Robert McKay
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASEIN KINASE 2-ALPHA PRIME EXPRESSION
;  FILE REFERENCE: RTS-0165
;  CURRENT APPLICATION NUMBER: US/09/780,173A
;  CURRENT FILING DATE:  2001-02-08
;  NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-173A-18

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        898 GGCTGAAGTACAGAGGCG 915
              ||||| ||| ||| ||||
Db         18 GGCTGGAGTGCAGTGGCG 1


RESULT 2379
US-09-780-173A-23/c
; Sequence 23, Application US/09780173A
; Patent No. 6455307
; GENERAL INFORMATION:
;  APPLICANT: Robert McKay
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASEIN KINASE 2-ALPHA PRIME EXPRESSION
;  FILE REFERENCE: RTS-0165
;  CURRENT APPLICATION NUMBER: US/09/780,173A
;  CURRENT FILING DATE:  2001-02-08
;  NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 23
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-173A-23

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy         32 CGGACAGCAAGGCCCGCG 49
              ||| ||||| |||||| |
Db         20 CGGGCAGCAGGGCCCGGG 3


RESULT 2380
US-09-920-672-80
; Sequence 80, Application US/09920672
; Patent No. 6455308
; GENERAL INFORMATION:
;  APPLICANT: Mark J. Graham
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SERUM AMYLOID A4 EXPRESSION
;  FILE REFERENCE: RTS-0251
;  CURRENT APPLICATION NUMBER: US/09/920,672
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 80
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-920-672-80

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1181 CTTGGAGGACGAAATGAG 1198
              | ||| |||| |||||||
Db          3 CCTGGTGGACTAAATGAG 20


RESULT 2381
US-09-706-197-83/c
; Sequence 83, Application US/09706197
; Patent No. 6475797
; GENERAL INFORMATION:
;  APPLICANT:  C. Frank Bennett
;  APPLICANT:  David Spector
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF SR-CYP EXPRESSION
;  FILE REFERENCE:  RTS-0145
;  CURRENT APPLICATION NUMBER: US/09/706,197
;  CURRENT FILING DATE:  2000-11-03
;  NUMBER OF SEQ ID NOS:  87
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-706-197-83

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2161 TCTCCTTTTTTTTTTTTT 2178
              |||||||| | || ||||
```

```
Db         20 TCTCCTTTATGTTGTTTT 3


RESULT 2382
US-08-559-390-533/c
; Sequence 533, Application US/08559390
; Patent No. 6479261
;  GENERAL INFORMATION:
;    APPLICANT:  Abrams, Mark A.
;    APPLICANT:  Bauer, S. C.
;    APPLICANT:  Braford-Goldberg, Sarah R.
;    APPLICANT:  Caparon, Maire H.
;    APPLICANT:  Easton, Alan M.
;    APPLICANT:  Klein, Barbara K.
;    APPLICANT:  McKearn, John P.
;    APPLICANT:  Olins, Peter O.
;    APPLICANT:  Paik, Kumnan
;    APPLICANT:  Polazzi, Joseph O.
;    APPLICANT:  Thomas, John W.
;    TITLE OF INVENTION:  Interleukin-3 (IL-3) Mutant Polypeptides
;    NUMBER OF SEQUENCES:  549
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis A. Bennett, G.D. Searle & Co.,
;      ADDRESSEE:  Corporate Patent Dept.
;      STREET:  P. O. Box 5110
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60680
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/559,390
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/411,796
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/981044
;      FILING DATE:  24-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/11198
;      FILING DATE:  22-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bennett, Dennis A.
;      REGISTRATION NUMBER:  34,547
;      REFERENCE/DOCKET NUMBER:  C2713/1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708)470-6501
;      TELEFAX:  (708)470-6881
;  INFORMATION FOR SEQ ID NO:  533:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
US-08-559-390-533

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1241 TGTAAAGAATTCACAGAA 1258
              ||| |||| || ||||||
Db         18 TGTCAAGAGTTTACAGAA 1


RESULT 2383
US-09-725-265-33/c
; Sequence 33, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOLI
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 33
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-33

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2517 GGTTTTATTCATATATAT 2534
              |||||| |  ||||||||
Db         18 GGTTTTTTATATATATAT 1


RESULT 2384
US-09-659-845A-146/c
; Sequence 146, Application US/09659845A
; Patent No. 6492170
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 9 EXPRESSION
;  FILE REFERENCE: RTS-0183
;  CURRENT APPLICATION NUMBER: US/09/659,845A
;  CURRENT FILING DATE:  2001-07-23
;  NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 146
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-659-845A-146

  Query Match              0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1674 CCCTGGACTTCTTAGTTG 1691
              |||||||| ||| || |
Db         18 CCCTGGACTGCTTTGTGG 1


RESULT 2385
US-09-733-294A-42/c
; Sequence 42, Application US/09733294A
; Patent No. 6492171
; GENERAL INFORMATION:
```

```
;  APPLICANT: Brett P. Monia
;  APPLICANT:  William Gaarde
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Edward V. Wancewicz
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TERT EXPRESSION
;  FILE REFERENCE: ISPH-0527
;  CURRENT APPLICATION NUMBER: US/09/733,294A
;  CURRENT FILING DATE:  2000-12-07
;  PRIOR APPLICATION NUMBER: 09/572,423
;  PRIOR FILING DATE: 2000-05-16
;  NUMBER OF SEQ ID NOS: 108
; SEQ ID NO 42
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-733-294A-42

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        626 CACGCCCTGGATGCCGCG 643
              ||| |||  |||||||||
Db         18 CACCCCCGCGATGCCGCG 1


RESULT 2386
US-09-629-644A-102
; Sequence 102, Application US/09629644A
; Patent No. 6492345
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 102
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-102

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1133 GCCGAATTTCCTAGTAAA 1150
              | ||||| |||| |||||
Db          2 GTCGAATATCCTGGTAAA 19


RESULT 2387
US-09-629-644A-102
; Sequence 102, Application US/09629644A
; Patent No. 6602857
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 102
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-102

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1133 GCCGAATTTCCTAGTAAA 1150
              | ||||| |||| |||||
Db          2 GTCGAATATCCTGGTAAA 19


RESULT 2388
US-09-629-644A-224/c
; Sequence 224, Application US/09629644A
; Patent No. 6602857
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 224
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-224

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1287 GGACCAGCAGGCTCGCCC 1304
              || | ||||||| |||||
Db         19 GGGCAAGCAGGCCCGCCC 2


RESULT 2389
US-09-216-393B-320
; Sequence 320, Application US/09216393B
; Patent No. 6514694
; GENERAL INFORMATION:
;  APPLICANT: Milhausen, Michael James
;  TITLE OF INVENTION: TOXOPLASMA GONDII PROTEINS, NUCLEIC ACID MOLECULES, AND USES THEF
;  FILE REFERENCE: TX-1-C2
;  CURRENT APPLICATION NUMBER: US/09/216,393B
;  CURRENT FILING DATE:  1998-12-18
;  PRIOR APPLICATION NUMBER: 08/994,825
;  PRIOR FILING DATE: 1997-12-19
;  NUMBER OF SEQ ID NOS: 366
```

```
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 320
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-09-216-393B-320

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1485 AAACCCTGGAGAAAATGG 1502
              |||| |||| ||||| ||
Db          2 AAACTCTGGGGAAAACGG 19


RESULT 2390
US-09-422-978-4087/c
; Sequence 4087, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4087
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-13229 for SEQ 153,
US-09-422-978-4087

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1681 CTTCTTAGTTGTTTCTCT 1698
              ||||  |||||||| |||
Db         20 CTTCCAAGTTGTTTTTCT 3


RESULT 2391
US-09-422-978-4188/c
; Sequence 4188, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4188
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-13861 for SEQ 254,
US-09-422-978-4188

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1240 GTGTAAAGAATTCACAGA 1257
              ||||||| || ||| |||
Db         19 GTGTAAAAAACTCAAAGA 2


RESULT 2392
US-09-422-978-4995/c
; Sequence 4995, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4995
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-20074 for SEQ 1061,
US-09-422-978-4995

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       424 CATCAACCCCCTGCACCA 441
             | |||||||||||| | |
Db         20 CTTCAACCCCCTGCCCAA 3


RESULT 2393
US-09-422-978-7152
; Sequence 7152, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
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;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7152
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: upstream amplification primer 99-24966 for SEQ 3218,
US-09-422-978-7152

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        770 AAGAACCCTCTGAACCTC 787
              | |||||| |||||| ||
Db          1 AGGAACCCCCTGAACTTC 18


RESULT 2394
US-09-422-978-10558/c
; Sequence 10558, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US.60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10558
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-14228 for SEQ 2693, in complem
US-09-422-978-10558

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2688 AATGGAGATTTGGAATTG 2705
              || ||| ||||| |||||
Db         19 AAGGGAAATTTGAAATTG 2


RESULT 2395
US-10-025-139-65
; Sequence 65, Application US/10025139
; Patent No. 6537973
; GENERAL INFORMATION:
;  APPLICANT: Bennett, C. Frank
;  APPLICANT:  Dean, Nicholas M.
;  APPLICANT:  Holmlund, Jon T.
;  APPLICANT:  Dorr, F. Andrew
;  TITLE OF INVENTION: Oligonucleotide Modulation Of Protein Kinase C
;  FILE REFERENCE: ISIS4954
;  CURRENT APPLICATION NUMBER: US/10/025,139
;  CURRENT FILING DATE:  2001-12-18
;  PRIOR APPLICATION NUMBER: US 08/829,637
;  PRIOR FILING DATE: 1997-03-31
;  PRIOR APPLICATION NUMBER: US 08/478,178
;  PRIOR FILING DATE: 1995-06-07
;  PRIOR APPLICATION NUMBER: US 08/089,996
;  PRIOR FILING DATE: 1993-07-09
;  PRIOR APPLICATION NUMBER: US 07/852,852
;  PRIOR FILING DATE: 1992-03-16
;  NUMBER OF SEQ ID NOS: 121
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 65
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-10-025-139-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1660 TCTGCATCACCCGCCCCT 1677
              |||| || || |||||||
Db          2 TCTGGATGACGCGCCCCT 19


RESULT 2396
US-09-198-452A-1828/c
; Sequence 1828, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prevo
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1828
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-1828

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2658 GTGAGTGTGCAGTACAGT 2675
              | ||||||||| ||| |||
Db         20 GAGAGTGTGCTGTAAAGT 3


RESULT 2397
US-09-198-452A-2037
; Sequence 2037, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prevo
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2037
;   LENGTH: 20
;   TYPE: DNA
```

```
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2037

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        750 AAGGTCCCATTTCCATGA 767
              |||||| ||| |||| ||
Db          3 AAGGTCTCATATCCAGGA 20


RESULT 2398
US-09-198-452A-2313
; Sequence 2313, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2313
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2313

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2046 TCTGCTTAGCAACTAGTT 2063
              ||||||||| |||| | |
Db          3 TCTGCTTAGGAACTTGCT 20


RESULT 2399
US-09-198-452A-2530/c
; Sequence 2530, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2530
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2530

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2551 TAAGAGGATGCTGGGCTC 2568
              || ||||| ||||||| |
Db         20 TATGAGGAGGCTGGGCCC 3


RESULT 2400
US-09-198-452A-2581/c
; Sequence 2581, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 2581
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-2581

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        686 ATGGACGAGGTGCAGAAT 703
              ||| |||||||||| || |
Db         20 ATGTACGAGGTGCTGACT 3


RESULT 2401
US-09-198-452A-4019
; Sequence 4019, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 4019
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-4019

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1479 CTAACAAAACCCTGGAGA 1496
              | | ||||| ||||||||
Db          1 CCACCAAAAACCTGGAGA 18


RESULT 2402
US-09-198-452A-5039/c
; Sequence 5039, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5039
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-5039

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       2127 ACTTGTAGAAACGAAGCC 2144
              |||| || | ||||||||
Db         18 ACTTCTAAAGACGAAGCC 1
```

RESULT 2403
US-09-198-452A-5130/c
; Sequence 5130, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 5130
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-5130

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        625 ACACGCCCTGGATGCCGC 642
              |||||||||| ||  |||
Db         18 ACACGCCCTGAATATCGC 1
```

RESULT 2404
US-09-198-452A-6118
; Sequence 6118, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6118
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6118

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1318 GAACATACAGAACTGCTT 1335
              ||||||| |||||| | |
Db          2 GAACATAGAGAACTCCAT 19
```

RESULT 2405
US-09-198-452A-6292
; Sequence 6292, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6292
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6292

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        762 CCATGACCAAGAACCCTC 779
              |||| || |||| |||||
Db          1 CCATCACAAAGACCCCTC 18
```

RESULT 2406
US-09-198-452A-6579/c
; Sequence 6579, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6579
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6579

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        495 AGGGAGCGGGGCTGCCCT 512
              | ||| |||||||||| |||
Db         20 ATGGTGCGGGGCTGGCCT 3
```

RESULT 2407
US-09-198-452A-6757/c
; Sequence 6757, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffais, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, preve
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6757
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6757

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1068 TCCTGACATCCTTAGTAG 1085
              ||||| ||  ||||||||
Db         20 TCCTGGCAATCTTAGTAG 3
```

```
RESULT 2408
US-09-843-376-71/c
; Sequence 71, Application US/09843376
; Patent No. 6566132
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTERFERON GAMMA RECEPTOR 1 EXPRESSION
;  FILE REFERENCE: RTS-0234
;  CURRENT APPLICATION NUMBER: US/09/843,376
;  CURRENT FILING DATE:  2001-04-26
;  NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 71
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-843-376-71

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1318 GAACATACAGAACTGCTT 1335
              ||||||||||||   |||
Db         19 GAACATACAGAAGAACTT 2


RESULT 2409
US-09-922-146-43/c
; Sequence 43, Application US/09922146
; Patent No. 6566133
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Brett P. Monia
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 9 EXPRESSION
;  FILE REFERENCE: RTS-0252
;  CURRENT APPLICATION NUMBER: US/09/922,146
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 48
; SEQ ID NO 43
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-922-146-43

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        547 CCTCTCCGGGCTGGAGGC 564
              ||||||  |||||||  | |
Db         19 CCTCTCGGGGCTGGGGCC 2


RESULT 2410
US-09-922-146-46
; Sequence 46, Application US/09922146
; Patent No. 6566133
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Brett P. Monia
;  TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 9 EXPRESSION
;  FILE REFERENCE: RTS-0252
;  CURRENT APPLICATION NUMBER: US/09/922,146
;  CURRENT FILING DATE:  2001-08-01
;  NUMBER OF SEQ ID NOS: 48
; SEQ ID NO 46
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-922-146-46

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        256 CCACCTCTCCTCCGCCGG 273
              || | |||||||||  |||
Db          3 CCCCATCTCCTCCGGCGG 20


RESULT 2411
US-09-679-299A-51/c
; Sequence 51, Application US/09679299A
; Patent No. 6566135
; GENERAL INFORMATION:
;  APPLICANT: Vickie L. Brown-Driver
;  APPLICANT:  Hong Zhang
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CASPASE 6 EXPRESSION
;  FILE REFERENCE: RTS-0187
;  CURRENT APPLICATION NUMBER: US/09/679,299A
;  CURRENT FILING DATE:  2000-10-04
;  NUMBER OF SEQ ID NOS: 164
; SEQ ID NO 51
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-679-299A-51

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1004 GAGAAGTTGGACAAGATC 1021
              ||||||||||||  | |
Db         18 GAGAAGTTGGACACCAAC 1


RESULT 2412
US-09-625-972-1/c
; Sequence 1, Application US/09625972
; Patent No. 6566513
; GENERAL INFORMATION:
;  APPLICANT: GUERTLER, Lutz Gerhard
;  APPLICANT:  HAUSER, Hans Peter
;  APPLICANT:  DONGMO DELOKO, Yvette Beatrice
;  APPLICANT:  ZEKENG, Leopold
;  APPLICANT:  KAPTUE, Lazare
;  TITLE OF INVENTION: LENTIVIRUS FROM THE GROUP OF IMMUNODEFICIENCY VIRUSES OF DRILL MO
;  TITLE OF INVENTION:  (MANDRILLUS LEUCOPHAEUS) AND THEIR USE
;  FILE REFERENCE: 067595/0106
;  CURRENT APPLICATION NUMBER: US/09/625,972
;  CURRENT FILING DATE:  2000-07-29
;  PRIOR APPLICATION NUMBER: DE 199 36 003.0
;  PRIOR FILING DATE: 1999-08-03
;  NUMBER OF SEQ ID NOS: 57
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Unknown
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: ()..()
;   OTHER INFORMATION: primer, non-genomic DNA
US-09-625-972-1
```

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2442 GACTTTTTTGAGACATGG 2459
              ||| |||| || ||||||
Db         19 GACATTTTGGACACATGG 2
```

RESULT 2413
US-10-072-094-56
; Sequence 56, Application US/10072094
; Patent No. 6600351
; GENERAL INFORMATION:
; APPLICANT: JACKSON, DONALD
; APPLICANT: LORENZI, MATTHEW
; APPLICANT: ATTAR, RICARDO
; APPLICANT: GOTTARDIS, MARCO
; TITLE OF INVENTION: NOVEL HUMAN HISTONE PEPTIDES
; FILE REFERENCE: 3053-4145US1
; CURRENT APPLICATION NUMBER: US/10/072,094
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/298,296
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 56
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-072-094-56

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2548 AATTAAGAGGATGCTGGG 2565
              |||  | ||||||||||
Db          3 AATGTACAGGATGCTGGG 20
```

RESULT 2414
US-10-072-094-58
; Sequence 58, Application US/10072094
; Patent No. 6600351
; GENERAL INFORMATION:
; APPLICANT: JACKSON, DONALD
; APPLICANT: LORENZI, MATTHEW
; APPLICANT: ATTAR, RICARDO
; APPLICANT: GOTTARDIS, MARCO
; TITLE OF INVENTION: NOVEL HUMAN HISTONE PEPTIDES
; FILE REFERENCE: 3053-4145US1
; CURRENT APPLICATION NUMBER: US/10/072,094
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/298,296
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 58
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-072-094-58

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2548 AATTAAGAGGATGCTGGG 2565
              |||  | ||||||||||
Db          3 AATGTACAGGATGCTGGG 20
```

RESULT 2415
US-10-072-094-59/c
; Sequence 59, Application US/10072094
; Patent No. 6600351
; GENERAL INFORMATION:
; APPLICANT: JACKSON, DONALD
; APPLICANT: LORENZI, MATTHEW
; APPLICANT: ATTAR, RICARDO
; APPLICANT: GOTTARDIS, MARCO
; TITLE OF INVENTION: NOVEL HUMAN HISTONE PEPTIDES
; FILE REFERENCE: 3053-4145US1
; CURRENT APPLICATION NUMBER: US/10/072,094
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/298,296
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 59
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-072-094-59

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       2548 AATTAAGAGGATGCTGGG 2565
              |||  | ||||||||||
Db         18 AATGTACAGGATGCTGGG 1
```

RESULT 2416
US-10-072-094-79
; Sequence 79, Application US/10072094
; Patent No. 6600351
; GENERAL INFORMATION:
; APPLICANT: JACKSON, DONALD
; APPLICANT: LORENZI, MATTHEW
; APPLICANT: ATTAR, RICARDO
; APPLICANT: GOTTARDIS, MARCO
; TITLE OF INVENTION: NOVEL HUMAN HISTONE PEPTIDES
; FILE REFERENCE: 3053-4145US1
; CURRENT APPLICATION NUMBER: US/10/072,094
; CURRENT FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 60/298,296
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 127
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 79
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-072-094-79

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy        891 TGACAGTGGCTGAAGTAC 908
              ||||| ||||||| | ||
Db          3 TGACATTGGCTGATGGAC 20
```

RESULT 2417

US-09-780-045-32
; Sequence 32, Application US/09780045
; Patent No. 6602713
; GENERAL INFORMATION:
; APPLICANT: Brett P. Monia
; APPLICANT: Jacqueline Wyatt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT E
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: RTS-0130
; CURRENT APPLICATION NUMBER: US/09/780,045
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 32
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-045-32

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 468 AGGCCTGGCCCGGCCGCC 485
|| || ||||||||||
Db 2 AGCCCCAGCCCGGCCGCC 19

RESULT 2418
US-08-944-410-10/c
; Sequence 10, Application US/08944410
; Patent No. 6607878
; GENERAL INFORMATION:
; APPLICANT: Sorge, Joseph A.
; TITLE OF INVENTION: COLLECTIONS OF UNIQUELY TAGGED MOLECULES
; FILE REFERENCE: 04121.0018-00000
; CURRENT APPLICATION NUMBER: US/08/944,410
; CURRENT FILING DATE: 1997-10-06
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic primer
US-08-944-410-10

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 574 GAGCGCCCGCAGGGATGC 591
|| ||| |||||| ||||
Db 19 GAACGCACGCAGGAATGC 2

RESULT 2419
US-09-486-147-21/c
; Sequence 21, Application US/09486147
; Patent No. 6627745
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; APPLICANT: represented by the Secretary, Department of Health and Human
; APPLICANT: Services
; APPLICANT: Daniel L. Kastner
; APPLICANT: Ivona Aksentijevich
; APPLICANT: Michael Centola
; APPLICANT: Zuoming Deng
; APPLICANT: Raman Sood
; APPLICANT: Francis S. Collins
; APPLICANT: Trevor Blake
; APPLICANT: P. Paul Liu
; APPLICANT: Deborah Gumucio
; APPLICANT: Robert I. Richards
; APPLICANT: Darrell O. Ricke
; APPLICANT: No. 6627745man A. Doggett
; APPLICANT: Moraechai Pras
; TITLE OF INVENTION: IDENTIFICATION OF THE GENE CAUSING
; TITLE OF INVENTION: FAMILIAL MEDITERRANEAN FEVER
; FILE REFERENCE: 14014.0314U1
; CURRENT APPLICATION NUMBER: US/09/486,147
; CURRENT FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: PCT/US98/17255
; PRIOR FILING DATE: 1998-08-20
; PRIOR APPLICATION NUMBER: 60/056,217
; PRIOR FILING DATE: 1997-08-21
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 20
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
US-09-486-147-21

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2600 AAACTCTCTGTTCAGAAA 2617
|||| || |||||||||
Db 20 AAACCCTGCGTTCAGAAA 3

RESULT 2420
US-09-920-868A-12
; Sequence 12, Application US/09920868A
; Patent No. 6642003
; GENERAL INFORMATION:
; APPLICANT: Perfetti, Riccardo
; TITLE OF INVENTION: HUMAN GLUCOSE-DEPENDENT INSULIN-SECRETING CELL LINE
; FILE REFERENCE: 81476-0255389
; CURRENT APPLICATION NUMBER: US/09/920,868A
; CURRENT FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Human
US-09-920-868A-12

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 394 CTCGCATCTGGGGGAAGC 411
||| || |||| ||||||
Db 1 CTCACACCTGGTGGAAGC 18

RESULT 2421
US-09-860-473-69/c
; Sequence 69, Application US/09860473
; Patent No. 6656732
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF SRC-C EXPRESSION
; FILE REFERENCE: RTS-0222
; CURRENT APPLICATION NUMBER: US/09/860,473
; CURRENT FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 169
; SEQ ID NO 69

; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-860-473-69

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 426 TCAACCCCCTGCACCAGC 443
||||| |||||| ||||
Db 18 TCAACAGCCTGCAGCAGC 1

RESULT 2422
US-09-980-052-162
; Sequence 162, Application US/09980052
; Patent No. 6670130
; GENERAL INFORMATION:
; APPLICANT: KIM, Jeong Joon; SJ HIGHTECH Co., Ltd.
; APPLICANT: KIM, Cheol Min
; APPLICANT: PARK, Hee Kyung
; TITLE OF INVENTION: Oligonucleotide for detection and identification of Mycobacteria
; FILE REFERENCE: PP05020/PCT
; CURRENT APPLICATION NUMBER: US/09/980,052
; CURRENT FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: KR 10-1999-0019631
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019632
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019633
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019634
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019635
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-2000-0018189
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 243
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 162
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequence of probe or primer for detecting Mycobacterium smegmatis
US-09-980-052-162

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 104 CCGCTTGGGGGCTGGGGG 121
|| |||||||| |||||
Db 2 CCCGTTGGGGGCGGGGGG 19

RESULT 2423
US-09-980-052-239
; Sequence 239, Application US/09980052
; Patent No. 6670130
; GENERAL INFORMATION:
; APPLICANT: KIM, Jeong Joon; SJ HIGHTECH Co., Ltd.
; APPLICANT: KIM, Cheol Min
; APPLICANT: PARK, Hee Kyung
; TITLE OF INVENTION: Oligonucleotide for detection and identification of Mycobacteria
; FILE REFERENCE: PP05020/PCT
; CURRENT APPLICATION NUMBER: US/09/980,052
; CURRENT FILING DATE: 2001-11-28
; PRIOR APPLICATION NUMBER: KR 10-1999-0019631
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019632
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019633
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019634
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-1999-0019635
; PRIOR FILING DATE: 1999-05-29
; PRIOR APPLICATION NUMBER: KR 10-2000-0018189
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 243
; SOFTWARE: KopatentIn 1.71
; SEQ ID NO 239
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: sequence of probe or primer for detecting Mycobacterium
; OTHER INFORMATION: paratuberculosis
US-09-980-052-239

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 71 CGCCTGGTCACCGTGACC 88
||| ||||| ||||| ||
Db 2 CGCATGGTCTCCGTGGCC 19

RESULT 2424
US-09-495-714C-85
; Sequence 85, Application US/09495714C
; Patent No. 6670465
; GENERAL INFORMATION:
; APPLICANT: University Technologies International Inc.
; TITLE OF INVENTION: RETINAL CALCIUM CHANNEL (ALPHA) 1F-SUBUNIT GENE
; FILE REFERENCE: 45499.4 (formerly 45074.6)
; CURRENT APPLICATION NUMBER: US/09/495,714C
; CURRENT FILING DATE: 2000-02-01
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 85
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-495-714C-85

Query Match 0.5%; Score 13.2; DB 1; Length 20;
Best Local Similarity 83.3%; Pred. No. 2.7e+03;
Matches 15; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1521 ATTGGAACGAAGAAAGGT 1538
|| ||| | |||||||||
Db 1 ATGGGACCCAAGAAAGGT 18

RESULT 2425
PCT-US93-11198-533/c
; Sequence 533, Application PC/TUS9311198
; GENERAL INFORMATION:
; APPLICANT: Abrams, Mark A.
; APPLICANT: Bauer, S. C.
; APPLICANT: Braford-Goldberg, Sarah R.
; APPLICANT: Caparon, Maire H.
; APPLICANT: Easton, Alan M.
; APPLICANT: Klein, Barbara K.
; APPLICANT: McKearn, John P.
; APPLICANT: Olins, Peter O.
; APPLICANT: Paik, Kumnan
; APPLICANT: Polazzi, Joseph O.
; APPLICANT: Thomas, John W.
; TITLE OF INVENTION: Interleukin-3 (IL-3) Mutant Polypeptides

```
;    NUMBER OF SEQUENCES:  549
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis A. Bennett, G.D. Searle & Co.,
;      ADDRESSEE:  Corporate Patent Dept.
;      STREET:  P. O. Box 5110
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60680
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/11198
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/981044
;      FILING DATE:  24-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bennett, Dennis A.
;      REGISTRATION NUMBER:  34,547
;      REFERENCE/DOCKET NUMBER:  C2713/1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708)470-6501
;      TELEFAX:  (708)470-6881
;  INFORMATION FOR SEQ ID NO:  533:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
PCT-US93-11198-533

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1241 TGTAAAGAATTCACAGAA 1258
              ||| |||| || ||||||
Db         18 TGTCAAGAGTTTACAGAA 1


RESULT 2426
PCT-US94-09851-52
; Sequence 52, Application PC/TUS9409851
;  GENERAL INFORMATION:
;    APPLICANT:  Gilliam, T. Conrad
;    APPLICANT:  Tanzi, Rudolph E.
;    TITLE OF INVENTION:  ISOLATION AND USES OF A WILSON'S
;    TITLE OF INVENTION:  DISEASE GENE
;    NUMBER OF SEQUENCES:  92
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham
;      STREET:  30 Rockefeller Plaza
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10112
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/09851
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  0575/44011-PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 977-9550
;      TELEFAX:  (212) 664-0525
;      TELEX:  422523 COOP UI
;  INFORMATION FOR SEQ ID NO:  52:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US94-09851-52

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1054 CGCTCATGTGACTCTCCT 1071
              |||||||   ||||||||
Db          1 CGCTCATTGAACTCTCCT 18


RESULT 2427
PCT-US95-03776-13
; Sequence 13, Application PC/TUS9503776
;  GENERAL INFORMATION:
;    APPLICANT:  AMGEN INC.
;    TITLE OF INVENTION:  Compositions and Methods for Stimulating
;    TITLE OF INVENTION:  Megakaryocyte Growth and Differentiation
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Amgen Inc.
;      STREET:  1840 Dehavilland Drive
;      CITY:  Thousand Oaks
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  91320-1789
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/03776
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Cook, Robert R.
;      REFERENCE/DOCKET NUMBER:  A-290-C
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
PCT-US95-03776-13

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2301 GTAGGCACGAAGCAATTT 2318
              | || |||||||||  |||
Db          1 GGAGTCACGAAGCAGTTT 18


RESULT 2428
PCT-US95-05134-4/c
```

```
; Sequence 4, Application PC/TUS9505134
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Timothy F.
;    APPLICANT:  Bhushan, Reva
;    TITLE OF INVENTION:  Vaccine for Moraxella catarrhalis
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hodgson, Russ, Andrews, Woods & Goodyear
;      STREET:  1800 One M&T Plaza
;      CITY:  Buffalo
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  14203-2391
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Kb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS/ Microsoft Windows 3.1
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/05134
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  U.S. Serial No. 08/245,758
;      FILING DATE:  17/05/94
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nelson, M. Bud
;      REGISTRATION NUMBER:  35,300
;      REFERENCE/DOCKET NUMBER:  11520.0063
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (716) 856-4000
;      TELEFAX:  (716) 849-0349
;  INFORMATION FOR SEQ ID NO:  4 :
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single-stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    IMMEDIATE SOURCE:  synthesized
;    ORIGINAL SOURCE:
;      ORGANISM:  Moraxella catarrhalis
;      STRAIN:  25240
;      CELL TYPE:  bacterium
PCT-US95-05134-4

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        744 TTCGCAAAGGTCCCATTT 761
              |||||| |||| |||| |
Db         20 TTCGCATAGGTACCATCT 3


RESULT 2429
PCT-US95-05134-8/c
; Sequence 8, Application PC/TUS9505134
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Timothy F.
;    APPLICANT:  Bhushan, Reva
;    TITLE OF INVENTION:  Vaccine for Moraxella catarrhalis
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hodgson, Russ, Andrews, Woods & Goodyear
;      STREET:  1800 One M&T Plaza
;      CITY:  Buffalo
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  14203-2391
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Kb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS/ Microsoft Windows 3.1
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/05134
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  U.S. Serial No. 08/245,758
;      FILING DATE:  17/05/94
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nelson, M. Bud
;      REGISTRATION NUMBER:  35,300
;      REFERENCE/DOCKET NUMBER:  11520.0063
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (716) 856-4000
;      TELEFAX:  (716) 849-0349
;  INFORMATION FOR SEQ ID NO:  8 :
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single-stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    IMMEDIATE SOURCE:  synthesized
;    ORIGINAL SOURCE:
;      ORGANISM:  Moraxella catarrhalis
;      STRAIN:  25240
;      CELL TYPE:  bacterium
PCT-US95-05134-8

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        744 TTCGCAAAGGTCCCATTT 761
              |||||| |||| |||| |
Db         20 TTCGCATAGGTGCCATCT 3


RESULT 2430
PCT-US95-08604-52/c
; Sequence 52, Application PC/TUS9508604
;  GENERAL INFORMATION:
;    APPLICANT:  Visible Genetics Inc.
;    APPLICANT:  HSC Reasearch and Development Limitied Partnership
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  125
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/08604
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/271,942
;      FILING DATE:  08-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-WO
;    TELECOMMUNICATION INFORMATION:
```

```
;       TELEPHONE:  (914) 245-3252
;       TELEFAX:  (914) 962-4330
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  52:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  genomic DNA
;     HYPOTHETICAL:  no
;     ANTI-SENSE:  no
;     FRAGMENT TYPE:  internal
;     ORIGINAL SOURCE:
;       ORGANISM:  human
;     FEATURE:
;       NAME/KEY:  primer for exon 17 of human RB1 gene
PCT-US95-08604-52

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        944 TCGTTACTGGGAGGTGTT 961
              | |||| || ||||||||
Db         19 TTGTTAGTGAGAGGTGTT 2


RESULT 2431
PCT-US95-08606-52/c
; Sequence 52, Application PC/TUS9508606
;  GENERAL INFORMATION:
;    APPLICANT:  Visible Genetics Inc.
;    APPLICANT:  Stevens, John K.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Capatos, Denis
;    APPLICANT:  Matthews, David E.
;    TITLE OF INVENTION:  Method for Testing for Mutations in DNA
;    TITLE OF INVENTION:  from a Patient Sample
;    NUMBER OF SEQUENCES:  62
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/08606
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:  US 08/271,946
;      APPLICATION NUMBER:  08-JUL-1994
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-002-WO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  52:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 17 of human RB1 gene
PCT-US95-08606-52

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        944 TCGTTACTGGGAGGTGTT 961
              | |||| || ||||||||
Db         19 TTGTTAGTGAGAGGTGTT 2


RESULT 2432
PCT-US96-09388-65/c
; Sequence 65, Application PC/TUS9609388
;  GENERAL INFORMATION:
;    APPLICANT:  Smith, Larry J.
;    TITLE OF INVENTION:  Therapeutic Oligonucleotides
;    TITLE OF INVENTION:  Targeting the Human MDR1 and MRP Genes
;    NUMBER OF SEQUENCES:  114
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dann, Dorfman, Herrell and Skillman
;      STREET:  1601 Market Street  Suite 720
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103-2307
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/09388
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/379,180
;      FILING DATE:  12-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Reed, Janet E.
;      REGISTRATION NUMBER:  36,252
;      REFERENCE/DOCKET NUMBER:  63082C
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215)563-4100
;      TELEFAX:  (215)563-4044
;  INFORMATION FOR SEQ ID NO:  65:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  not relevant
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
PCT-US96-09388-65

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 20;
  Best Local Similarity   83.3%;  Pred. No. 2.7e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATCAACCC 432
              ||||||| ||||| |||
Db         19 CGCCGCCATCATCATCCC 2
```

```
RESULT 2433
US-09-733-444-13/c
; Sequence 13, Application US/09733444
; Patent No. 6576423
; GENERAL INFORMATION:
;  APPLICANT: Batra, Surinder K.
;  APPLICANT:  Brandt, Randall E.
;  APPLICANT:  Ringel, J"erg
;  APPLICANT:  Faulmann, Grit
;  APPLICANT:  L"hr, Matthias
;  APPLICANT:  Varshney, Grish C.
;  APPLICANT:  University of Nebraska Board of Regents
;  TITLE OF INVENTION: Specific Mucin Expression as a Marker
;  TITLE OF INVENTION:  for Pancreatic Cancer
;  FILE REFERENCE: UNMC 63155
;  CURRENT APPLICATION NUMBER: US/09/733,444
;  CURRENT FILING DATE:  2000-12-08
;  NUMBER OF SEQ ID NOS: 29
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 13
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-733-444-13

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 21;
  Best Local Similarity   83.3%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        718 CCTGTTGCTGCACGATCA 735
              |||| ||||| | |||||
Db         18 CCTGCTGCTGGATGATCA 1


RESULT 2434
US-08-235-180-19/c
; Sequence 19, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-19

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 22;
  Best Local Similarity   83.3%;  Pred. No. 3.1e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 GAAAAAAAGAAAAGTGTG 1995
              |||||||| |||||  ||
Db         21 GAAAAAAAAAAAAGCTTG 4


RESULT 2435
US-08-235-180-20/c
; Sequence 20, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-20

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 22;
  Best Local Similarity   83.3%;  Pred. No. 3.1e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;
```

```
Qy       1978 GAAAAAAAGAAAAGTGTG 1995
             ||||||||  |||||  ||
Db         21 GAAAAAAAAAAAAGCTTG 4


RESULT 2436
US-08-235-180-21/c
; Sequence 21, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-21

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 22;
  Best Local Similarity   83.3%;  Pred. No. 3.1e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 GAAAAAAAGAAAAGTGTG 1995
             ||||||||  |||||  ||
Db         21 GAAAAAAAAAAAAGCTTG 4


RESULT 2437
US-08-332-420-1/c
; Sequence 1, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-1

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 22;
  Best Local Similarity   83.3%;  Pred. No. 3.1e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 GAAAAAAAGAAAAGTGTG 1995
             ||||||||  |||||  ||
Db         21 GAAAAAAAAAAAAGCTTG 4


RESULT 2438
US-08-332-420-2/c
; Sequence 2, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
```

```
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-2

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 22;
  Best Local Similarity   83.3%;  Pred. No. 3.1e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 GAAAAAAAGAAAAGTGTG 1995
              ||||||||  |||||  ||
Db         21 GAAAAAAAAAAAAGCTTG 4


RESULT 2439
US-08-332-420-3/c
; Sequence 3, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 22;
  Best Local Similarity   83.3%;  Pred. No. 3.1e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 GAAAAAAAGAAAAGTGTG 1995
              ||||||||  |||||  ||
Db         21 GAAAAAAAAAAAAGCTTG 4


RESULT 2440
US-09-199-865-3/c
; Sequence 3, Application US/09199865
; Patent No. 6433138
; GENERAL INFORMATION:
;  APPLICANT: Zimrin, Ann B.
;  APPLICANT: Maciag, Thomas
;  APPLICANT: Wong, Michael K.K.
;  APPLICANT: Pepper, Michael S.
;  APPLICANT: Montesano, Roberto
;  TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC METHODS AND COMPOSITIONS
;  TITLE OF INVENTION: BASED ON JAGGED/NOTCH PROTEINS AND NUCLEIC ACIDS
;  FILE REFERENCE: 0036-1U1
;  CURRENT APPLICATION NUMBER: US/09/199,865
;  CURRENT FILING DATE: 1998-11-25
;  EARLIER APPLICATION NUMBER: 60/018,841
;  EARLIER FILING DATE: 1996-05-31
;  EARLIER APPLICATION NUMBER: PCT/US97/09407
;  EARLIER FILING DATE: 1997-05-30
;  NUMBER OF SEQ ID NOS: 16
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: 3' reverse
;   OTHER INFORMATION: transcription primer
US-09-199-865-3

  Query Match             0.5%;  Score 13.2;  DB 1;  Length 22;
  Best Local Similarity   83.3%;  Pred. No. 3.1e+03;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1978 GAAAAAAAGAAAAGTGTG 1995
              ||||||||  |||||  ||
Db         21 GAAAAAAAAAAAAGCTTG 4


RESULT 2441
US-07-850-343A-5/c
; Sequence 5, Application US/07850343A
; Patent No. 5262311
;  GENERAL INFORMATION:
;    APPLICANT:  Pardee, Arthur B.
;    APPLICANT:  Liang, Peng
;    TITLE OF INVENTION:  Identifying, Isolating and Cloning
;    TITLE OF INVENTION:  Messenger RNAs
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Choate, Hall & Stewart
;      STREET:  Exchange Place, 53 State Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02190
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/850,343A
;      FILING DATE:  19920311
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
```

```
;      NAME:  Pasternack, Sam
;      REGISTRATION NUMBER:  29,576
;      REFERENCE/DOCKET NUMBER:  DFCI234
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617 227-5020
;      TELEFAX:  617 227-7566
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-07-850-343A-5

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
             |||||||||||||
Db         13 TGAAAAAAAAAAA 1


RESULT 2442
US-08-351-748-10/c
; Sequence 10, Application US/08351748
; Patent No. 5599672
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Peng
;    APPLICANT:  Pardee, Arthur B.
;    APPLICANT:  Bianchi, Cesario F.
;    TITLE OF INVENTION:  IDENTIFYING, ISOLATING, AND CLONING
;    TITLE OF INVENTION:  MESSENGER RNAS
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CHOATE, HALL & STEWART
;      STREET:  53 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2891
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/351,748
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/033,084
;      FILING DATE:  11-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kaplan Esq., Warren A.
;      REGISTRATION NUMBER:  34,199
;      REFERENCE/DOCKET NUMBER:  181411-008
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 248-5000
;      TELEFAX:  (617) 248-4000
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-351-748-10

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
             |||||||||||||
Db         13 TGAAAAAAAAAAA 1


RESULT 2443
US-08-430-536A-10/c
; Sequence 10, Application US/08430536A
; Patent No. 5665547
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Peng
;    APPLICANT:  Pardee, Arthur B.
;    TITLE OF INVENTION:  IDENTIFYING, ISOLATING, AND CLONING
;    TITLE OF INVENTION:  MESSENGER RNAS
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CHOATE, HALL & STEWART
;      STREET:  53 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2891
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/430,536A
;      FILING DATE:  25-APR-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Herschbach Ph.D., Brenda M.
;      REGISTRATION NUMBER:  39,223
;      REFERENCE/DOCKET NUMBER:  181411-012
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 248-5000
;      TELEFAX:  (617) 248-4000
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-430-536A-10

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
             |||||||||||||
Db         13 TGAAAAAAAAAAA 1


RESULT 2444
US-08-486-955A-1/c
; Sequence 1, Application US/08486955A
; Patent No. 5747299
;  GENERAL INFORMATION:
;    APPLICANT:  FATHMAN, Garrison
;    APPLICANT:  BLOOM, Debra
;    TITLE OF INVENTION:  Anergy Genes
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
```

```
;       STATE:  CA
;       COUNTRY:  US
;       ZIP:  94111
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/486,955A
;       FILING DATE:  07-JUN-1995
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Rowland, Bertram I.
;       REGISTRATION NUMBER:  20015
;       REFERENCE/DOCKET NUMBER:  A59741-1
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415-781-1989
;       TELEFAX:  415-398-3249
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  13 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
US-08-486-955A-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              |||||||||||||
Db         13 TGAAAAAAAAAAA 1


RESULT 2445
US-08-745-269-3
; Sequence 3, Application US/08745269
; Patent No. 5763183
;  GENERAL INFORMATION:
;     APPLICANT:  Pesonen, Ullamari
;     APPLICANT:  Koulu, Markku
;     APPLICANT:  Linnoila, Markku
;     APPLICANT:  Goldman, David
;     APPLICANT:  Virkkunen, Matti
;     TITLE OF INVENTION:  ALLELIC VARIATION
;     TITLE OF INVENTION:  OF THE 5HT7 SEROTONIN RECEPTOR
;     NUMBER OF SEQUENCES:  6
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Knobbe, Martens, Olson and Bear
;       STREET:  620 Newport Center Drive  16th Floor
;       CITY:  Newport Beach
;       STATE:  CA
;       COUNTRY:  USA
;       ZIP:  92660
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/745,269
;       FILING DATE:  08-NOV-1996
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/006,394
;       FILING DATE:  09-NOV-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Fuller, Michael L
;       REGISTRATION NUMBER:  36,516
;       REFERENCE/DOCKET NUMBER:  NIH126.001A
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619-235-8550
;       TELEFAX:  619-235-0176
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  13 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
US-08-745-269-3

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2178
              |||||||||||||
Db          1 TTTTTTTTTTTTT 13


RESULT 2446
US-08-745-269-3/c
; Sequence 3, Application US/08745269
; Patent No. 5763183
;  GENERAL INFORMATION:
;     APPLICANT:  Pesonen, Ullamari
;     APPLICANT:  Koulu, Markku
;     APPLICANT:  Linnoila, Markku
;     APPLICANT:  Goldman, David
;     APPLICANT:  Virkkunen, Matti
;     TITLE OF INVENTION:  ALLELIC VARIATION
;     TITLE OF INVENTION:  OF THE 5HT7 SEROTONIN RECEPTOR
;     NUMBER OF SEQUENCES:  6
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Knobbe, Martens, Olson and Bear
;       STREET:  620 Newport Center Drive  16th Floor
;       CITY:  Newport Beach
;       STATE:  CA
;       COUNTRY:  USA
;       ZIP:  92660
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ Version 1.5
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/745,269
;       FILING DATE:  08-NOV-1996
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/006,394
;       FILING DATE:  09-NOV-1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Fuller, Michael L
;       REGISTRATION NUMBER:  36,516
;       REFERENCE/DOCKET NUMBER:  NIH126.001A
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619-235-8550
;       TELEFAX:  619-235-0176
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  13 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
US-08-745-269-3

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
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  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         13 AAAAAAAAAAAAA 1


RESULT 2447
US-08-745-269-4
; Sequence 4, Application US/08745269
; Patent No. 5763183
;  GENERAL INFORMATION:
;    APPLICANT:  Pesonen, Ullamari
;    APPLICANT:  Koulu, Markku
;    APPLICANT:  Linnoila, Markku
;    APPLICANT:  Goldman, David
;    APPLICANT:  Virkkunen, Matti
;    TITLE OF INVENTION:  ALLELIC VARIATION
;    TITLE OF INVENTION:  OF THE 5HT7 SEROTONIN RECEPTOR
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/745,269
;      FILING DATE:  08-NOV-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/006,394
;      FILING DATE:  09-NOV-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fuller, Michael L
;      REGISTRATION NUMBER:  36,516
;      REFERENCE/DOCKET NUMBER:  NIH126.001A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-235-8550
;      TELEFAX:  619-235-0176
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-745-269-4

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2178
              |||||||||||||
Db          1 TTTTTTTTTTTTT 13


RESULT 2448
US-08-745-269-4/c
; Sequence 4, Application US/08745269
; Patent No. 5763183
;  GENERAL INFORMATION:
;    APPLICANT:  Pesonen, Ullamari
;    APPLICANT:  Koulu, Markku
;    APPLICANT:  Linnoila, Markku
;    APPLICANT:  Goldman, David
;    APPLICANT:  Virkkunen, Matti
;    TITLE OF INVENTION:  ALLELIC VARIATION
;    TITLE OF INVENTION:  OF THE 5HT7 SEROTONIN RECEPTOR
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson and Bear
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/745,269
;      FILING DATE:  08-NOV-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/006,394
;      FILING DATE:  09-NOV-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fuller, Michael L
;      REGISTRATION NUMBER:  36,516
;      REFERENCE/DOCKET NUMBER:  NIH126.001A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-235-8550
;      TELEFAX:  619-235-0176
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-745-269-4

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         13 AAAAAAAAAAAAA 1


RESULT 2449
US-08-434-705B-2
; Sequence 2, Application US/08434705B
; Patent No. 5798258
;  GENERAL INFORMATION:
;    APPLICANT:  Douglass Ph.D., James
;    TITLE OF INVENTION:  CART PROTEIN AND DNA ENCODING THEREFOR
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis K. Shelton
;      STREET:  1420 Fifth Avenue, Suite 2800
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/434,705B
;      FILING DATE:  May 4, 1995
```

```
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Shelton, Dennis K.
;      REGISTRATION NUMBER:  26,997
;      REFERENCE/DOCKET NUMBER:  OHSU18446
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 682-8100
;      TELEFAX:  (206) 224-0779
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
;    HYPOTHETICAL:  NO
US-08-434-705B-2

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1769 GCTTTTTTTTTTT 1781
              |||||||||||||
Db          1 GCTTTTTTTTTTT 13


RESULT 2450
US-08-684-547-10/c
; Sequence 10, Application US/08684547
; Patent No. 5965409
;  GENERAL INFORMATION:
;    APPLICANT:  Pardee Ph.D., Arthur B.
;    APPLICANT:  Liang Ph.D., Peng
;    TITLE OF INVENTION:  SYSTEM FOR COMPARING LEVELS OR AMOUNTS
;    TITLE OF INVENTION:  OF mRNAs
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CHOATE, HALL & STEWART
;      STREET:  53 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2891
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/684,547
;      FILING DATE:  19-JUL-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jarrell Ph.D., Brenda H.
;      REGISTRATION NUMBER:  39,223
;      REFERENCE/DOCKET NUMBER:  0181411-0013
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 248-5000
;      TELEFAX:  (617) 248-4000
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-684-547-10

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              |||||||||||||
Db         13 TGAAAAAAAAAAA 1


RESULT 2451
US-09-086-201-2
; Sequence 2, Application US/09086201
; Patent No. 5969103
;  GENERAL INFORMATION:
;    APPLICANT:  Douglass Ph.D., James
;    TITLE OF INVENTION:  CART PROTEIN AND DNA ENCODING THEREFOR
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis K. Shelton
;      STREET:  1420 Fifth Avenue, Suite 2800
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/086,201
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/434,705
;      FILING DATE:  May 4, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Shelton, Dennis K.
;      REGISTRATION NUMBER:  26,997
;      REFERENCE/DOCKET NUMBER:  OHSU18446
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 682-8100
;      TELEFAX:  (206) 224-0779
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
;    HYPOTHETICAL:  NO
US-09-086-201-2

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1769 GCTTTTTTTTTTT 1781
              |||||||||||||
Db          1 GCTTTTTTTTTTT 13


RESULT 2452
US-08-680-506-15/c
; Sequence 15, Application US/08680506C
; Patent No. 6008013
; GENERAL INFORMATION:
;  APPLICANT: Reynolds, Paul R.
;  TITLE OF INVENTION: CHONDROCYTE PROTEINS
;  FILE REFERENCE: 176/60091
;  CURRENT APPLICATION NUMBER: US/08/680,506C
;  CURRENT FILING DATE: 1996-07-08
;  EARLIER APPLICATION NUMBER: 60/021,672
;  EARLIER FILING DATE: 1996-07-05
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 15
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  3' end primer
US-08-680-506-15

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              |||||||||||||
Db         13 TGAAAAAAAAAAA 1


RESULT 2453
US-09-305-223-1
; Sequence 1, Application US/09305223
; Patent No. 6211354
; GENERAL INFORMATION:
;  APPLICANT:  HORIE, Ryuichi
;  APPLICANT:  ISHIGURO, Takahiko
;  TITLE OF INVENTION:  OPTICALLY ACTIVE DNA PROBE HAVING PHOSPHONIC DIESTER
;  TITLE OF INVENTION:  LINKAGE
;  FILE REFERENCE:  Q54283
;  CURRENT APPLICATION NUMBER: US/09/305,223
;  CURRENT FILING DATE:  1999-05-05
;  PRIOR APPLICATION NUMBER:  JP 10-123298
;  PRIOR FILING DATE:  1998-05-06
;  PRIOR APPLICATION NUMBER:  JP 10-212569
;  PRIOR FILING DATE:  1998-07-28
;  NUMBER OF SEQ ID NOS:  4
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: synthetic construct
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: Between positions 5 and 6, a phosphonic diester
;   OTHER INFORMATION: linkage is indicated (see page 21, line 12-13 and
;   OTHER INFORMATION: lines 21-22 of the specification)
US-09-305-223-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db          1 AAAAAAAAAAAAA 13


RESULT 2454
US-09-305-223-1/c
; Sequence 1, Application US/09305223
; Patent No. 6211354
; GENERAL INFORMATION:
;  APPLICANT:  HORIE, Ryuichi
;  APPLICANT:  ISHIGURO, Takahiko
;  TITLE OF INVENTION:  OPTICALLY ACTIVE DNA PROBE HAVING PHOSPHONIC DIESTER
;  TITLE OF INVENTION:  LINKAGE
;  FILE REFERENCE:  Q54283
;  CURRENT APPLICATION NUMBER: US/09/305,223
;  CURRENT FILING DATE:  1999-05-05
;  PRIOR APPLICATION NUMBER:  JP 10-123298
;  PRIOR FILING DATE:  1998-05-06
;  PRIOR APPLICATION NUMBER:  JP 10-212569
;  PRIOR FILING DATE:  1998-07-28
;  NUMBER OF SEQ ID NOS:  4
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: synthetic construct
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: (5)..(6)
;   OTHER INFORMATION: Between positions 5 and 6, a phosphonic diester
;   OTHER INFORMATION: linkage is indicated (see page 21, line 12-13 and
;   OTHER INFORMATION: lines 21-22 of the specification)
US-09-305-223-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2178
              |||||||||||||
Db         13 TTTTTTTTTTTTT 1


RESULT 2455
US-09-068-860-15
; Sequence 15, Application US/09068860
; Patent No. 6261770
; GENERAL INFORMATION:
;  APPLICANT: WARTHOE, Peter R.
;  TITLE OF INVENTION: METHOD TO CLONE MRNAS
;  FILE REFERENCE: 674513-2001.1
;  CURRENT APPLICATION NUMBER: US/09/068,860
;  CURRENT FILING DATE: 1998-05-17
;  EARLIER APPLICATION NUMBER: PCT/DK98/00186
;  EARLIER FILING DATE: 1998-05-13
;  EARLIER APPLICATION NUMBER: 0547/97
;  EARLIER FILING DATE: 1997-05-13
;  EARLIER APPLICATION NUMBER: 0432/98
;  EARLIER FILING DATE: 1998-03-27
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: Thermophilic eubacteria
US-09-068-860-15

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db          1 AAAAAAAAAAAAA 13


RESULT 2456
US-09-068-860-15/c
; Sequence 15, Application US/09068860
; Patent No. 6261770
; GENERAL INFORMATION:
;  APPLICANT: WARTHOE, Peter R.
;  TITLE OF INVENTION: METHOD TO CLONE MRNAS
;  FILE REFERENCE: 674513-2001.1
;  CURRENT APPLICATION NUMBER: US/09/068,860
;  CURRENT FILING DATE: 1998-05-17
;  EARLIER APPLICATION NUMBER: PCT/DK98/00186
;  EARLIER FILING DATE: 1998-05-13
;  EARLIER APPLICATION NUMBER: 0547/97
;  EARLIER FILING DATE: 1997-05-13
;  EARLIER APPLICATION NUMBER: 0432/98
;  EARLIER FILING DATE: 1998-03-27
;  NUMBER OF SEQ ID NOS: 42
;  SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 15
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Thermophilic eubacteria
US-09-068-860-15

 Query Match 0.5%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 9e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTT 2178
 |||||||||||||
Db 13 TTTTTTTTTTTTT 1

RESULT 2457
US-09-352-540A-6
; Sequence 6, Application US/09352540A
; Patent No. 6326175
; GENERAL INFORMATION:
; APPLICANT: Guegler, Karl
; APPLICANT: Tan, Ruoying
; APPLICANT: Rose, Michael J.
; TITLE OF INVENTION: Methods and Compositions for Producing
; TITLE OF INVENTION: Full Length cDNA Libraries
; FILE REFERENCE: 06514-087US1
; CURRENT APPLICATION NUMBER: US/09/352,540A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized Primer
US-09-352-540A-6

 Query Match 0.5%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 9e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTT 2178
 |||||||||||||
Db 1 TTTTTTTTTTTTT 13

RESULT 2458
US-09-352-540A-6/c
; Sequence 6, Application US/09352540A
; Patent No. 6326175
; GENERAL INFORMATION:
; APPLICANT: Guegler, Karl
; APPLICANT: Tan, Ruoying
; APPLICANT: Rose, Michael J.
; TITLE OF INVENTION: Methods and Compositions for Producing
; TITLE OF INVENTION: Full Length cDNA Libraries
; FILE REFERENCE: 06514-087US1
; CURRENT APPLICATION NUMBER: US/09/352,540A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized Primer
US-09-352-540A-6

 Query Match 0.5%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 9e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAA 2798
 |||||||||||||
Db 13 AAAAAAAAAAAAA 1

RESULT 2459
US-09-799-645-6
; Sequence 6, Application US/09799645
; Patent No. 6369199
; GENERAL INFORMATION:
; APPLICANT: Guegler, Karl
; APPLICANT: Tan, Ruoying
; APPLICANT: Rose, Michael J.
; TITLE OF INVENTION: Methods and Compositions for Producing
; TITLE OF INVENTION: Full Length cDNA Libraries
; FILE REFERENCE: 06514-087CON
; CURRENT APPLICATION NUMBER: US/09/799,645
; CURRENT FILING DATE: 2001-03-05
; PRIOR APPLICATION NUMBER: 09/352,540
; PRIOR FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized Primer
US-09-799-645-6

 Query Match 0.5%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 9e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTT 2178
 |||||||||||||
Db 1 TTTTTTTTTTTTT 13

RESULT 2460
US-09-799-645-6/c
; Sequence 6, Application US/09799645
; Patent No. 6369199
; GENERAL INFORMATION:
; APPLICANT: Guegler, Karl
; APPLICANT: Tan, Ruoying
; APPLICANT: Rose, Michael J.
; TITLE OF INVENTION: Methods and Compositions for Producing
; TITLE OF INVENTION: Full Length cDNA Libraries
; FILE REFERENCE: 06514-087CON
; CURRENT APPLICATION NUMBER: US/09/799,645
; CURRENT FILING DATE: 2001-03-05
; PRIOR APPLICATION NUMBER: 09/352,540
; PRIOR FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized Primer
US-09-799-645-6

 Query Match 0.5%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 9e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAA 2798
 |||||||||||||
Db 13 AAAAAAAAAAAAA 1

```
RESULT 2461
US-08-985-492-17
; Sequence 17, Application US/08985492
; Patent No. 6395530
;  GENERAL INFORMATION:
;    APPLICANT:  Jaye, Michael C.
;    APPLICANT:  Doan, Kim-Anh T.
;    APPLICANT:  Krawiec, John A.
;    APPLICANT:  Lynch, Kevin J.
;    APPLICANT:  Amin, Dilip V.
;    APPLICANT:  South, Victoria J.
;    TITLE OF INVENTION:  LLG POLYPEPTIDES OF THE TRIACYLGLYCEROL
;    TITLE OF INVENTION:  LIPASE FAMILY, AND COMPOSITIONS AND METHODS FOR THEIR USE
;    TITLE OF INVENTION:  IN ENZYMATIC HYDROLYSIS, AND PROTEIN AND GENE THERAPIES
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rhone-Poulenc Rorer Inc.
;      STREET:  500 Arcola Rd. 3C43
;      CITY:  Collegeville
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19426
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/985,492
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fehlner Ph.D., Paul F.
;      REGISTRATION NUMBER:  35,135
;      REFERENCE/DOCKET NUMBER:  A2582-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (610)454-3839
;      TELEFAX:  (610)454-3808
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "Oligonucleotide"
US-08-985-492-17

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              |||||||||||||
Db          1 TTTTTTTTTTTGA 13


RESULT 2462
US-09-619-103-19
; Sequence 19, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 19
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-19

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db          1 AAAAAAAAAAAAA 13


RESULT 2463
US-09-619-103-19/c
; Sequence 19, Application US/09619103
; Patent No. 6429300
; GENERAL INFORMATION:
;  APPLICANT:  Kurz, Markus
;  APPLICANT:  Lohse, Peter
;  APPLICANT:  Wagner, Richard
;  TITLE OF INVENTION:  Peptide Acceptor Ligation Methods
;  FILE REFERENCE:  50036/031002
;  CURRENT APPLICATION NUMBER: US/09/619,103
;  CURRENT FILING DATE:  2000-07-19
;  PRIOR APPLICATION NUMBER:  60/145,834
;  PRIOR FILING DATE:  1999-07-27
;  NUMBER OF SEQ ID NOS:  26
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 19
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: designed sequence for nucleic acid purification
US-09-619-103-19

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2178
              |||||||||||||
Db         13 TTTTTTTTTTTTT 1


RESULT 2464
US-10-002-528-6
; Sequence 6, Application US/10002528
; Patent No. 6436676
; GENERAL INFORMATION:
;  APPLICANT: Guegler, Karl
;  APPLICANT:  Tan, Ruoying
;  APPLICANT:  Rose, Michael J.
;  TITLE OF INVENTION: Methods and Compositions for Producing
;  TITLE OF INVENTION:  Full Length cDNA Libraries
;  FILE REFERENCE: 06514-087CON
;  CURRENT APPLICATION NUMBER: US/10/002,528
;  CURRENT FILING DATE:  2001-11-01
;  PRIOR APPLICATION NUMBER: 09/799,645
;  PRIOR FILING DATE: 2001-03-05
;  PRIOR APPLICATION NUMBER: 09/352,540
;  PRIOR FILING DATE: 1999-07-13
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
;   LENGTH: 13
;   TYPE: DNA
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized Primer
US-10-002-528-6

 Query Match 0.5%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 9e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTT 2178
 |||||||||||||
Db 1 TTTTTTTTTTTTT 13

RESULT 2465
US-10-002-528-6/c
; Sequence 6, Application US/10002528
; Patent No. 6436676
; GENERAL INFORMATION:
; APPLICANT: Guegler, Karl
; APPLICANT: Tan, Ruoying
; APPLICANT: Rose, Michael J.
; TITLE OF INVENTION: Methods and Compositions for Producing
; TITLE OF INVENTION: Full Length cDNA Libraries
; FILE REFERENCE: 06514-087CON
; CURRENT APPLICATION NUMBER: US/10/002,528
; CURRENT FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 09/799,645
; PRIOR FILING DATE: 2001-03-05
; PRIOR APPLICATION NUMBER: 09/352,540
; PRIOR FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized Primer
US-10-002-528-6

 Query Match 0.5%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 9e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAA 2798
 |||||||||||||
Db 13 AAAAAAAAAAAAA 1

RESULT 2466
US-09-377-497-56
; Sequence 56, Application US/09377497
; Patent No. 6670119
; GENERAL INFORMATION:
; APPLICANT: YOSHIKAWA, YOSHIE
; APPLICANT: MUKAI, HIROYUKI
; APPLICANT: ASADA, KIYOZO
; APPLICANT: HINO, FUMITSUGU
; APPLICANT: KATO, IKUNOSHIN
; TITLE OF INVENTION: CANCER-ASSOCIATED GENES
; FILE REFERENCE: 1422-388P
; CURRENT APPLICATION NUMBER: US/09/377,497
; CURRENT FILING DATE: 1999-08-20
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 56
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: any n or Xaa = unknown
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-377-497-56

 Query Match 0.5%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 9e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2176 TTTTTTTTTTTAA 2188
 |||||||||||||
Db 1 TTTTTTTTTTTAA 13

RESULT 2467
US-09-377-497-59/c
; Sequence 59, Application US/09377497
; Patent No. 6670119
; GENERAL INFORMATION:
; APPLICANT: YOSHIKAWA, YOSHIE
; APPLICANT: MUKAI, HIROYUKI
; APPLICANT: ASADA, KIYOZO
; APPLICANT: HINO, FUMITSUGU
; APPLICANT: KATO, IKUNOSHIN
; TITLE OF INVENTION: CANCER-ASSOCIATED GENES
; FILE REFERENCE: 1422-388P
; CURRENT APPLICATION NUMBER: US/09/377,497
; CURRENT FILING DATE: 1999-08-20
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: any n or Xaa = unknown
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-377-497-59

 Query Match 0.5%; Score 13; DB 1; Length 13;
 Best Local Similarity 100.0%; Pred. No. 9e+02;
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2784 TGAAAAAAAAAAA 2796
 |||||||||||||
Db 13 TGAAAAAAAAAAA 1

RESULT 2468
US-09-377-497-62
; Sequence 62, Application US/09377497
; Patent No. 6670119
; GENERAL INFORMATION:
; APPLICANT: YOSHIKAWA, YOSHIE
; APPLICANT: MUKAI, HIROYUKI
; APPLICANT: ASADA, KIYOZO
; APPLICANT: HINO, FUMITSUGU
; APPLICANT: KATO, IKUNOSHIN
; TITLE OF INVENTION: CANCER-ASSOCIATED GENES
; FILE REFERENCE: 1422-388P
; CURRENT APPLICATION NUMBER: US/09/377,497
; CURRENT FILING DATE: 1999-08-20
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62
; LENGTH: 13
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: any n or Xaa = unknown
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-377-497-62

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  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              |||||||||||||
Db          1 TTTTTTTTTTTGA 13


RESULT 2469
PCT-US93-02246-10/c
; Sequence 10, Application PC/TUS9302246
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Peng
;    APPLICANT:  Pardee, Arthur B.
;    TITLE OF INVENTION:  Identifying, Isolating and Cloning
;    TITLE OF INVENTION:  Messenger RNAs
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Choate, Hall & Stewart
;      STREET:  Exchange Place, 53 State Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02190
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/02246
;      FILING DATE:  19930311
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/850,343
;      FILING DATE:  11-MAR-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Pasternack, Sam
;      REGISTRATION NUMBER:  29,576
;      REFERENCE/DOCKET NUMBER:  DFCI234CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617 227-5020
;      TELEFAX:  617 227-7566
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US93-02246-10

  Query Match             0.5%;  Score 13;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 9e+02;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              |||||||||||||
Db         13 TGAAAAAAAAAAA 1


RESULT 2470
US-09-475-947A-94
; Sequence 94, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 94
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-94

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2178
              |||||||||||||
Db          1 TTTTTTTTTTTTT 13


RESULT 2471
US-08-332-838-3
; Sequence 3, Application US/08332838
; Patent No. 5529916
;  GENERAL INFORMATION:
;    APPLICANT:  Cormack, Brendan P.
;    APPLICANT:  Falkow, Stanley
;    TITLE OF INVENTION:  Leukotriene A4 Hydrolase From Candida
;    TITLE OF INVENTION:  Albicans
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert,
;      ADDRESSEE:  Attn: R.M. Silva
;      STREET:  4 Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,838
;      FILING DATE:  01-NOV-1994
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Silva, Robin M.
;      REGISTRATION NUMBER:  38,304
;      REFERENCE/DOCKET NUMBER:  A-60324/RFT/RMS
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-838-3

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2472
```

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US-08-832-021-6
; Sequence 6, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-6

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2473
US-08-832-021-7
; Sequence 7, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-7

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2474
US-08-832-021-8
; Sequence 8, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-8

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2475
US-08-832-021-10/c
; Sequence 10, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-10

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2476
US-08-832-021-11/c
; Sequence 11, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
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;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-11

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
             |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2477
US-08-832-021-12/c
; Sequence 12, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-12

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
             |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2478
US-08-832-021-13
; Sequence 13, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-13

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
             |||||||||||||
Db          2 TTTTTTTTTTTGA 14


RESULT 2479
US-08-724-466B-13
; Sequence 13, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-13

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
             |||||||||||||
Db          2 TTTTTTTTTTTGA 14


RESULT 2480
US-08-724-466B-16
; Sequence 16, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
```

```
;       CITY:  Toronto
;       ZIP:  M5L 1A9
;       COUNTRY:  Canada
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;       COMPUTER:  COMPAQ, IBM PC compatible
;       OPERATING SYSTEM:  MS-DOS 5.1
;       SOFTWARE:  WORD PERFECT
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/724,466B
;       FILING DATE:  October 1, 1996
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/667,546
;       FILING DATE:  June 21, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hunt, John C.
;       REGISTRATION NUMBER:  36,424
;       REFERENCE/DOCKET NUMBER:  50767/00004
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (416) 863-4344
;       TELEFAX:  (416) 863-2653
;   INFORMATION FOR SEQ ID NO:  16:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  14 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-724-466B-16

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2481
US-08-724-466B-18
; Sequence 18, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  14 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-724-466B-18

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2482
US-08-724-466B-19
; Sequence 19, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  14 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-724-466B-19

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2483
US-08-724-466B-20/c
; Sequence 20, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
```

```
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-20

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2484
US-08-724-466B-22/c
; Sequence 22, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-22

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2485
US-08-724-466B-23/c
; Sequence 23, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-23

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2486
US-08-893-764-3
; Sequence 3, Application US/08893764
; Patent No. 6172211
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  Georgiev, Georgii P.
;    APPLICANT:  Kiselev, Sergei L.
;    APPLICANT:  Prokhorchouk, Egor B.
;    APPLICANT:  Ostermann, Elinborg
;    TITLE OF INVENTION:  Tumor Growth Inhibition- and Apoptosis-Associated
;    TITLE OF INVENTION:  Genes and Methods of Use Thereof
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox P.L.L.C.
;      STREET:  1100 New York Avenue, N.W., Suite 600
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-3934
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/893,764
;      FILING DATE:  (Herewith)
;      CLASSIFICATION:  515
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Esmond, Robert W.
;      REGISTRATION NUMBER:  32,893
;      REFERENCE/DOCKET NUMBER:  0652.1630000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 371-2600
;      TELEFAX:  (202) 371-2540
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-893-764-3

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2487
US-08-787-321-6
; Sequence 6, Application US/08787321A
; Patent No. 6180777
; GENERAL INFORMATION:
;  APPLICANT: Horn, Thomas
;  TITLE OF INVENTION: SYNTHESIS OF BRANCHED NUCLEIC ACIDS
;  FILE REFERENCE: (1300)-1199.002
;  CURRENT APPLICATION NUMBER: US/08/787,321A
;  CURRENT FILING DATE: 1997-01-03
;  EARLIER APPLICATION NUMBER: US PROV 60/009,918
;  EARLIER FILING DATE: 1996-01-12
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
US-08-787-321-6

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTT 2177
              |||||||||||||
Db          2 CTTTTTTTTTTTT 14


RESULT 2488
US-08-991-789A-130
; Sequence 130, Application US/08991789A
; Patent No. 6225054
;  GENERAL INFORMATION:
;       APPLICANT: Frudakis, Tony N.
;                  Smith, John M.
;                  Reed, Steven G.
;       TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
;                           TREATMENT AND DIAGNOSIS OF BREAST CANCER
;       NUMBER OF SEQUENCES: 292
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Seed IP Law Group
;            STREET: 701 Fifth Avenue, Suite 6300
;            CITY: Seattle
;            STATE: Washington
;            COUNTRY: USA
;            ZIP: 98104-7092
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/991,789A
;            FILING DATE: 11-Dec-1997
;            CLASSIFICATION: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Potter, Jane E. R.
;            REGISTRATION NUMBER: 33,332
;            REFERENCE/DOCKET NUMBER: 210121.419C3
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (206) 622-4900
;            TELEFAX: (206) 682-6031
;  INFORMATION FOR SEQ ID NO: 130:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 14 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-08-991-789A-130

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2489
US-08-882-164D-13
; Sequence 13, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
```

```
;       STATE:  Ontario
;       COUNTRY:  Canada
;       ZIP:  M5L 1A9
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;       COMPUTER:  COMPAQ, IBM PC compatible
;       OPERATING SYSTEM:  MS-DOS 5.1
;       SOFTWARE:  WORD PERFECT
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/882,164D
;       FILING DATE:  June 25, 1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/667,546
;       FILING DATE:  June 21, 1996
;       APPLICATION NUMBER:  08/724,466
;       FILING DATE:  October 1, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hunt, John C.
;       REGISTRATION NUMBER:  36,424
;       REFERENCE/DOCKET NUMBER:  50767/00010
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (416) 863-4344
;       TELEFAX:  (416) 863-2653
;   INFORMATION FOR SEQ ID NO:  13:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  14 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-882-164D-13

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              |||||||||||||
Db          2 TTTTTTTTTTTGA 14


RESULT 2490
US-08-882-164D-16
; Sequence 16, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-16

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2491
US-08-882-164D-18
; Sequence 18, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-18

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13
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RESULT 2492
US-08-882-164D-19
; Sequence 19, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-19

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2493
US-08-882-164D-20/c
; Sequence 20, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-20

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2494
US-08-882-164D-22/c
; Sequence 22, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
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;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-22

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2495
US-08-882-164D-23/c
; Sequence 23, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-23

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2496
US-09-062-451-130
; Sequence 130, Application US/09062451
; Patent No. 6344550
;  GENERAL INFORMATION:
;    APPLICANT:  Frudakis, Tony N.
;    APPLICANT:  Smith, John M.
;    APPLICANT:  Reed, Steven G.
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE
;    TITLE OF INVENTION:  TREATMENT AND DIAGNOSIS OF BREAST CANCER
;    NUMBER OF SEQUENCES:  297
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/062,451
;      FILING DATE:  04-APR-1997
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.419C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  130:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-062-451-130

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2497
US-09-598-326-130
; Sequence 130, Application US/09598326
; Patent No. 6423496
;  GENERAL INFORMATION:
;       APPLICANT: Frudakis, Tony N.
;                  Smith, John M.
;                  Reed, Steven G.
;       TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
;                           TREATMENT AND DIAGNOSIS OF BREAST CANCER
;       NUMBER OF SEQUENCES: 247
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Seed Intellectual Property Law Group PLLC
;            STREET: 701 Fifth Avenue, Suite 6300
;            CITY: Seattle
;            STATE: Washington
;            COUNTRY: USA
;            ZIP: 98104-7092
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/598,326
;            FILING DATE: 20-Jun-2000
;            CLASSIFICATION: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Potter, Jane E.R.
```

```
;             REGISTRATION NUMBER: 33,332
;             REFERENCE/DOCKET NUMBER: 210121.419D1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (206) 622-4900
;             TELEFAX: (206) 682-6031
;   INFORMATION FOR SEQ ID NO: 130:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 14 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-09-598-326-130

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2498
US-09-370-838-47
; Sequence 47, Application US/09370838
; Patent No. 6444425
; GENERAL INFORMATION:
;  APPLICANT: Reed, Steven G.
;  APPLICANT: Lodes, Michael J.
;  APPLICANT: Mohamath, Roadoh
;  APPLICANT: Secrist, Heather
;  TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
;  TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
;  FILE REFERENCE: 210121.475C1
;  CURRENT APPLICATION NUMBER: US/09/370,838
;  CURRENT FILING DATE: 1999-08-09
;  EARLIER APPLICATION NUMBER: US 09/285,323
;  EARLIER FILING DATE: 1999-04-02
;  NUMBER OF SEQ ID NOS: 289
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 47
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-370-838-47

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2499
US-09-151-771B-19
; Sequence 19, Application US/09151771B
; Patent No. 6586204
; GENERAL INFORMATION:
;  APPLICANT: Lehar, et al., Sophie M.
;  TITLE OF INVENTION: APOPTOSIS GENE EI24, COMPOSITIONS, AND METHODS OF USE
;  FILE REFERENCE: 104322.170DIV
;  CURRENT APPLICATION NUMBER: US/09/151,771B
;  CURRENT FILING DATE:  1998-09-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer sequence
;   NAME/KEY: unsure
;   LOCATION: (13)
;   OTHER INFORMATION: any nucleotide can be used
US-09-151-771B-19

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTA 2187
              ||||||||||||.|
Db          1 TTTTTTTTTTTNA 14


RESULT 2500
US-09-151-771B-19/c
; Sequence 19, Application US/09151771B
; Patent No. 6586204
; GENERAL INFORMATION:
;  APPLICANT: Lehar, et al., Sophie M.
;  TITLE OF INVENTION: APOPTOSIS GENE EI24, COMPOSITIONS, AND METHODS OF USE
;  FILE REFERENCE: 104322.170DIV
;  CURRENT APPLICATION NUMBER: US/09/151,771B
;  CURRENT FILING DATE:  1998-09-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer sequence
;   NAME/KEY: unsure
;   LOCATION: (13)
;   OTHER INFORMATION: any nucleotide can be used
US-09-151-771B-19

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              |.||||||||||||
Db         14 TNAAAAAAAAAAAA 1


RESULT 2501
US-09-151-771B-20
; Sequence 20, Application US/09151771B
; Patent No. 6586204
; GENERAL INFORMATION:
;  APPLICANT: Lehar, et al., Sophie M.
;  TITLE OF INVENTION: APOPTOSIS GENE EI24, COMPOSITIONS, AND METHODS OF USE
;  FILE REFERENCE: 104322.170DIV
;  CURRENT APPLICATION NUMBER: US/09/151,771B
;  CURRENT FILING DATE:  1998-09-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer sequence
;   NAME/KEY: unsure
;   LOCATION: (13)
;   OTHER INFORMATION: any nucleotide can be used
US-09-151-771B-20

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
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```
Qy       2166 TTTTTTTTTTTTTT 2179
             ||||||||||||| |
Db          1 TTTTTTTTTTTTNT 14


RESULT 2502
US-09-151-771B-20/c
; Sequence 20, Application US/09151771B
; Patent No. 6586204
; GENERAL INFORMATION:
;  APPLICANT: Lehar, et al., Sophie M.
;  TITLE OF INVENTION: APOPTOSIS GENE EI24, COMPOSITIONS, AND METHODS OF USE
;  FILE REFERENCE: 104322.170DIV
;  CURRENT APPLICATION NUMBER: US/09/151,771B
;  CURRENT FILING DATE:  1998-09-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer sequence
;   NAME/KEY: unsure
;   LOCATION: (13)
;   OTHER INFORMATION: any nucleotide can be used
US-09-151-771B-20

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              | ||||||||||||
Db         14 ANAAAAAAAAAAAA 1


RESULT 2503
US-09-151-771B-21/c
; Sequence 21, Application US/09151771B
; Patent No. 6586204
; GENERAL INFORMATION:
;  APPLICANT: Lehar, et al., Sophie M.
;  TITLE OF INVENTION: APOPTOSIS GENE EI24, COMPOSITIONS, AND METHODS OF USE
;  FILE REFERENCE: 104322.170DIV
;  CURRENT APPLICATION NUMBER: US/09/151,771B
;  CURRENT FILING DATE:  1998-09-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer sequence
;   NAME/KEY: unsure
;   LOCATION: (13)
;   OTHER INFORMATION: any nucleotide can be used
US-09-151-771B-21

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              | ||||||||||||
Db         14 GNAAAAAAAAAAAA 1


RESULT 2504
US-09-289-198-130
; Sequence 130, Application US/09289198
; Patent No. 6586570
; GENERAL INFORMATION:
;  APPLICANT: Frudakis, Tony N.
;  APPLICANT: Smith, John M.
;  APPLICANT: Reed, Steven G.
;  APPLICANT: Misher, Lynda
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
;  TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF BREAST CANCER
;  FILE REFERENCE: 210121.419C5
;  CURRENT APPLICATION NUMBER: US/09/289,198
;  CURRENT FILING DATE: 1999-04-09
;  EARLIER APPLICATION NUMBER: US 09/062,451
;  EARLIER FILING DATE: 1998-04-17
;  EARLIER APPLICATION NUMBER: US 08/991,789
;  EARLIER FILING DATE: 1997-12-11
;  EARLIER APPLICATION NUMBER: US 08/838,762
;  EARLIER FILING DATE: 1997-04-09
;  EARLIER APPLICATION NUMBER: PCT/US97/00485
;  EARLIER FILING DATE: 1997-01-10
;  EARLIER APPLICATION NUMBER: US 08/700,014
;  EARLIER FILING DATE: 1996-08-20
;  EARLIER APPLICATION NUMBER: US 08/585,392
;  EARLIER FILING DATE: 1996-01-01
;  NUMBER OF SEQ ID NOS: 312
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 130
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-289-198-130

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2505
US-09-429-755-130
; Sequence 130, Application US/09429755A
; Patent No. 6656480
; GENERAL INFORMATION:
;  APPLICANT:  Frudakis, Tony N.
;  APPLICANT:  Smith, John M.
;  APPLICANT:  Reed, Steven G.
;  APPLICANT:  Misher, Lynda
;  APPLICANT:  Retter, Marc W.
;  APPLICANT:  Dillon, Davin C.
;  TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE
;  TITLE OF INVENTION:  TREATMENT AND DIAGNOSIS OF BREAST CANCER
;  FILE REFERENCE:  210121.419C6
;  CURRENT APPLICATION NUMBER: US/09/429,755A
;  CURRENT FILING DATE:  1999-10-28
;  NUMBER OF SEQ ID NOS:  315
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 130
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-429-755-130

  Query Match             0.5%;  Score 13;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
```

```
                    ||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2506
US-08-832-021-29
; Sequence 29, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 29
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-29

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
                ||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2507
US-08-292-620A-359
; Sequence 359, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  359:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-359

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 1.4e+03;
  Matches    0;  Conservative   13;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2178
                ::::::::::::
Db          3 UUUUUUUUUUUUU 15


RESULT 2508
US-08-292-620A-359/c
; Sequence 359, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
```

```
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  359:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-359

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         15 AAAAAAAAAAAAA 3


RESULT 2509
US-08-292-620A-366/c
; Sequence 366, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  366:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-366

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              |||||||||||||
Db         13 TGAAAAAAAAAAA 1


RESULT 2510
US-08-832-021-27
; Sequence 27, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-27

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              |||||||||||||
Db          2 TTTTTTTTTTTGA 14


RESULT 2511
US-08-832-021-28
; Sequence 28, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-28
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  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              |||||||||||||
Db          2 TTTTTTTTTTTGA 14


RESULT 2512
US-08-832-021-31
; Sequence 31, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-31

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2513
US-08-832-021-34/c
; Sequence 34, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-34

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2514
US-08-832-021-35/c
; Sequence 35, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-35

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2515
US-08-832-021-36/c
; Sequence 36, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-36

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2516
US-08-832-021-41
; Sequence 41, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
```

```
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 41
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-41

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
             |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2517
US-08-832-021-43
; Sequence 43, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-43

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
             |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2518
US-08-832-021-44
; Sequence 44, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 44
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-44

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
             |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2519
US-08-832-021-46/c
; Sequence 46, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-46

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
             |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2520
US-08-832-021-47/c
; Sequence 47, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
;   LENGTH: 15
;   TYPE: DNA
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;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-47

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2521
US-08-832-021-48/c
; Sequence 48, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-48

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2522
US-08-832-021-55
; Sequence 55, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-55

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              |||||||||||||
Db          1 TTTTTTTTTTTTA 13


RESULT 2523
US-08-832-021-59/c
; Sequence 59, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-59

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2524
US-09-071-845-359
; Sequence 359, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
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;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  359:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-071-845-359

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   0.0%;  Pred. No. 1.4e+03;
  Matches    0;  Conservative   13;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2178
              :::::::::::::
Db          3 UUUUUUUUUUUU 15


RESULT 2525
US-09-071-845-359/c
; Sequence 359, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  359:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-071-845-359

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         15 AAAAAAAAAAAAA 3


RESULT 2526
US-09-071-845-366/c
; Sequence 366, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
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```
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  366:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-071-845-366

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              |||||||||||||
Db         13 TGAAAAAAAAAAA 1


RESULT 2527
US-09-081-646-113
; Sequence 113, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
;  APPLICANT: Kinzler, Kenneth
;  APPLICANT: Vogelstein, Bert
;  APPLICANT: Zhang, Lin
;  APPLICANT: Zhou, Wei
;  TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
;  TITLE OF INVENTION: Cancer Cells
;  FILE REFERENCE: 01107.74664
;  CURRENT APPLICATION NUMBER: US/09/081,646
;  CURRENT FILING DATE: 1998-05-20
;  EARLIER APPLICATION NUMBER: 60/047,352
;  EARLIER FILING DATE: 1997-05-21
;  NUMBER OF SEQ ID NOS: 871
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 113
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-081-646-113

  Query Match             0.5%;  Score 13;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 1.4e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              |||||||||||||
Db          3 TGAAAAAAAAAAA 15


RESULT 2528
US-08-283-591-17
; Sequence 17, Application US/08283591
; Patent No. 5629152
;  GENERAL INFORMATION:
;    APPLICANT:  Ravikumar, Vasulinga
;    TITLE OF INVENTION:  NOVEL TRISUBSTITUTED  -LACTAMS AND
;    TITLE OF INVENTION:  OLIGO  -LACTAMAMIDES
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5629152ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/283,591
;      FILING DATE:  N/A
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:
;      REGISTRATION NUMBER:
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-283-591-17

  Query Match             0.5%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTT 2175
              |||||||||||||
Db          3 TCCTTTTTTTTTT 15


RESULT 2529
US-08-088-658-35
; Sequence 35, Application US/08088658
; Patent No. 5641625
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5641625ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/088,658
;      FILING DATE:  19930702
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/054,363
;      FILING DATE:  26-APRIL-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lucci, Joseph
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-1052
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  35:
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;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-088-658-35

  Query Match             0.5%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTT 2175
              |||||||||||||
Db          3 TCCTTTTTTTTTT 15


RESULT 2530
US-08-947-317-4
; Sequence 4, Application US/08947317
; Patent No. 5972610
; GENERAL INFORMATION:
;  APPLICANT: BUCHARDT, Ole
;  APPLICANT: EGHOLM, Michael
;  APPLICANT: NIELSEN, Peter Eigil
;  APPLICANT: BERG, Rolf H
;  APPLICANT: STANLEY, Christpoher J
;  TITLE OF INVENTION: USE OF NUCLEIC ACID ANALOGUES IN THE INHIBITION OF
;  TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION
;  FILE REFERENCE: 1614-7062
;  CURRENT APPLICATION NUMBER: US/08/947,317
;  CURRENT FILING DATE: 1997-10-08
;  EARLIER APPLICATION NUMBER: PCT/EP93/01435
;  EARLIER FILING DATE: 1993-06-07
;  EARLIER APPLICATION NUMBER: GB/9211979.1
;  EARLIER FILING DATE: 1992-06-05
;  NUMBER OF SEQ ID NOS: 5
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer.
US-08-947-317-4

  Query Match             0.5%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTT 2175
              |||||||||||||
Db          3 TCCTTTTTTTTTT 15


RESULT 2531
US-08-471-907A-35
; Sequence 35, Application US/08471907A
; Patent No. 5986053
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5986053ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/471,907A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/088,658
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lucci, Joseph
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-1052
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  35:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-471-907A-35

  Query Match             0.5%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTT 2175
              |||||||||||||
Db          3 TCCTTTTTTTTTT 15


RESULT 2532
US-08-088-661F-10
; Sequence 10, Application US/08088661F
; Patent No. 6228982
; GENERAL INFORMATION:
;  APPLICANT:  No. 6228982den, Benget
;  APPLICANT:  Wittung, Pernilla
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter E.
;  APPLICANT:  Berg, Rolf
;  TITLE OF INVENTION:  Double-Stranded Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1108
;  CURRENT APPLICATION NUMBER: US/08/088,661F
;  CURRENT FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/054,363
;  PRIOR FILING DATE:  1993-04-26
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-19
;  NUMBER OF SEQ ID NOS:  42
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 10
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6228982el Sequence
US-08-088-661F-10

  Query Match             0.5%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTT 2175
              |||||||||||||
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Db          3 TCCTTTTTTTTTT 15


RESULT 2533
US-08-150-156A-22
; Sequence 22, Application US/08150156A
; Patent No. 6357163
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  THE USE OF NUCLEIC ACID ANALOGUES IN
;    TITLE OF INVENTION:  DIAGNOSTICS AND ANALYTICAL PROCEDURES
;    NUMBER OF SEQUENCES:  40
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Wordperfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/150,156A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0986/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0987/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0510/92
;      FILING DATE:  15-APR-1992
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    PUBLICATION INFORMATION:
;      DOCUMENT NUMBER:  WO PCT/EP92/01220
;      FILING DATE:  22-MAY-1992
US-08-150-156A-22

  Query Match             0.5%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTT 2175
             |||||||||||||
Db          3 TCCTTTTTTTTTT 15


RESULT 2534
US-08-108-591B-2
; Sequence 2, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-2

  Query Match             0.5%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTT 2175
             |||||||||||||
Db          3 TCCTTTTTTTTTT 15


RESULT 2535
US-09-479-005A-250
; Sequence 250, Application US/09479005A
; Patent No. 6656731
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
;  FILE REFERENCE: MBHB00-884-C
;  CURRENT APPLICATION NUMBER: US/09/479,005A
;  CURRENT FILING DATE:  2000-01-07
;  PRIOR APPLICATION NUMBER: US 09/444,209
;  PRIOR FILING DATE: 1999-11-19
;  PRIOR APPLICATION NUMBER: US 09/159,274
;  PRIOR FILING DATE: 1998-09-22
;  PRIOR APPLICATION NUMBER: US 60/059,473
;  PRIOR FILING DATE: 1997-09-22
;  NUMBER OF SEQ ID NOS: 1208
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 250
;   LENGTH: 16
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-479-005A-250

  Query Match             0.5%;  Score 13;  DB 1;  Length 16;
  Best Local Similarity   69.2%;  Pred. No. 1.7e+03;
  Matches    9;  Conservative    4;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2495 GGTAATCTATAAC 2507
              ||:||:|:|:|||
Db          1 GGUAAUCUAUAAC 13


RESULT 2536
US-08-584-040-2547/c
; Sequence 2547, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
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;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2547:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2547

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         17 AAAAAAAAAAAAA 5


RESULT 2537
US-09-371-772B-1071/c
; Sequence 1071, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1071
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1071

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         17 AAAAAAAAAAAAA 5


RESULT 2538
US-08-129-719-8/c
; Sequence 8, Application US/08129719
; Patent No. 5556755
;  GENERAL INFORMATION:
;    APPLICANT:  Timothy F. Murphy
;    TITLE OF INVENTION:  Vaccine For Branhamella catarrhalis
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hodgson, Russ, Andrews, Woods & Goodyear
;      STREET:  1800 One M&T Plaza
;      CITY:  Buffalo
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  14203-2391
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 720 Kb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS/ Microsoft Windows 3.1
;      SOFTWARE:  Wordperfect for Windows 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/129,719
;      FILING DATE:  September 29, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nelson, M. Bud
;      REGISTRATION NUMBER:  35,300
;      REFERENCE/DOCKET NUMBER:  11520.0050
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (716) 856-4000
;      TELEFAX:  (716) 849-0349
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single-stranded
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Branhamella catarrhalis
;      STRAIN:  25240
;    FEATURE:
;      LOCATION:  CD gene region (complementary strand), 826-       842
;      IDENTIFICATION METHOD:  by experiment
;      OTHER INFORMATION:  hybridizes to Branhamella catarrhalis gene region
US-08-129-719-8

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1150 ACCAGTGGCAGAA 1162
              |||||||||||||
Db         15 ACCAGTGGCAGAA 3


RESULT 2539
US-08-379-078-471/c
; Sequence 471, Application US/08379078
; Patent No. 5639612
;  GENERAL INFORMATION:
;    APPLICANT:  Mitsuhashi, Masato
;    APPLICANT:  Cooper, Allan
;    TITLE OF INVENTION:  Gene Detection System
;    NUMBER OF SEQUENCES:  726
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  KNOBBE, MARTENS, OLSON AND BEAR
;      STREET:  620 Newport Center Drive  16th Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/379,078
;      FILING DATE:
```

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;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/974,406
;      FILING DATE:  12-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Altman, Daniel E.
;      REGISTRATION NUMBER:  34,115
;      REFERENCE/DOCKET NUMBER:  HITACHI.011CP2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  471:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-379-078-471

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1291 CAGCAGGCTCGCC 1303
              |||||||||||||
Db         17 CAGCAGGCTCGCC 5


RESULT 2540
US-08-306-871-8/c
; Sequence 8, Application US/08306871
; Patent No. 5712118
;  GENERAL INFORMATION:
;    APPLICANT:  Timothy F. Murphy
;    TITLE OF INVENTION:  Vaccine For Branhamella catarrhalis
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hodgson, Russ, Andrews, Woods & Goodyear
;      STREET:  1800 One M&T Plaza
;      CITY:  Buffalo
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  14203-2391
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.4 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS/ Microsoft Windows 3.1
;      SOFTWARE:  Wordperfect for Windows 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/306,871
;      FILING DATE:  20-SEP-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/129,719
;      FILING DATE:  September 29, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nelson, M. Bud
;      REGISTRATION NUMBER:  35,300
;      REFERENCE/DOCKET NUMBER:  11520.0053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (716) 856-4000
;      TELEFAX:  (716) 849-0349
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single-stranded
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Branhamella catarrhalis
;      STRAIN:  25240
;    FEATURE:
;      LOCATION:  CD gene region (complementary strand), 826-       842
;      IDENTIFICATION METHOD:  by experiment
;      OTHER INFORMATION:  hybridizes to Branhamella catarrhalis gene region
US-08-306-871-8

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1150 ACCAGTGGCAGAA 1162
              |||||||||||||
Db         15 ACCAGTGGCAGAA 3


RESULT 2541
US-08-569-959-8/c
; Sequence 8, Application US/08569959
; Patent No. 5725862
;  GENERAL INFORMATION:
;    APPLICANT:  Timothy F. Murphy
;    TITLE OF INVENTION:  Vaccine For Branhamella catarrhalis
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hodgson, Russ, Andrews, Woods & Goodyear
;      STREET:  1800 One M&T Plaza
;      CITY:  Buffalo
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  14203-2391
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.4 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS/ Microsoft Windows 3.1
;      SOFTWARE:  Wordperfect for Windows 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/569,959
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  U.S. 08/129,719
;      FILING DATE:  September 29, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nelson, M. Bud
;      REGISTRATION NUMBER:  35,300
;      REFERENCE/DOCKET NUMBER:  11520.0053
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (716) 856-4000
;      TELEFAX:  (716) 849-0349
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single-stranded
;      TOPOLOGY:  linear
;    ORIGINAL SOURCE:
;      ORGANISM:  Branhamella catarrhalis
;      STRAIN:  25240
;    FEATURE:
;      LOCATION:  CD gene region (complementary strand), 826-
;      LOCATION:  842
;      IDENTIFICATION METHOD:  by experiment
;      OTHER INFORMATION:  hybridizes to Branhamella
;      OTHER INFORMATION:  catarrhalis gene region
US-08-569-959-8

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1150 ACCAGTGGCAGAA 1162
              |||||||||||||
Db         15 ACCAGTGGCAGAA 3
```

```
RESULT 2542
US-09-018-138-13/c
; Sequence 13, Application US/09018138
; Patent No. 6187564
; GENERAL INFORMATION:
;  APPLICANT: Sytkowski, Arthur J.
;  TITLE OF INVENTION: Production and Use of Recombinant
;  TITLE OF INVENTION: Protein Multimers With Altered Biological Activity
;  FILE REFERENCE: BIH97-05A
;  CURRENT APPLICATION NUMBER: US/09/018,138
;  CURRENT FILING DATE: 1998-02-03
;  EARLIER APPLICATION NUMBER: 08/890,929
;  EARLIER FILING DATE: 1997-07-10
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 13
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Human
;   FEATURE:
;   OTHER INFORMATION: DNA primer
US-09-018-138-13

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 2e+03;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        287 AGCCCCGCGCCACCCCT 303
              |:||||:| || |||||
Db         17 ASCCCCSCCCCSCCCCT 1


RESULT 2543
US-09-021-701-113
; Sequence 113, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  113:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-113

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        143 CTGTTTTGGGGGA 155
              |||||||||||||
Db          2 CTGTTTTGGGGGA 14


RESULT 2544
US-09-021-701-114
; Sequence 114, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  114:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-114

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        143 CTGTTTTGGGGGA 155
              |||||||||||||
Db          1 CTGTTTTGGGGGA 13
```

```
RESULT 2545
US-07-974-409C-84/c
; Sequence 84, Application US/07974409C
; Patent No. 6300058
;  GENERAL INFORMATION:
;    APPLICANT:  Akitaya, Tatsuo
;    APPLICANT:  Mitsuhashi, Masato
;    APPLICANT:  Cooper, Allan
;    TITLE OF INVENTION:  METHOD AND REAGENT
;    TITLE OF INVENTION:  FOR MEASURING MESSENGER RNA
;    NUMBER OF SEQUENCES:  457
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson, and Bear
;      STREET:  620 Newport Center Dr.  Sixteenth Floor
;      CITY:  Newport Beach
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92660
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/974,409C
;      FILING DATE:  12-NOV-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Altman, Daniel E.
;      REGISTRATION NUMBER:  34,115
;      REFERENCE/DOCKET NUMBER:  HITACHI.006CP2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  714-760-0404
;      TELEFAX:  714-760-9502
;  INFORMATION FOR SEQ ID NO:  84:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA to mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-07-974-409C-84

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1291 CAGCAGGCTCGCC 1303
             |||||||||||||
Db         17 CAGCAGGCTCGCC 5


RESULT 2546
US-08-584-040-2183
; Sequence 2183, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2183:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2183

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   15.4%;  Pred. No. 2e+03;
  Matches    2;  Conservative   11;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1769 GCTTTTTTTTTTT 1781
              ||:::::::::::
Db          5 GCUUUUUUUUUUU 17


RESULT 2547
US-08-584-040-2865
; Sequence 2865, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
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;       FILING DATE:  January 11, 1996
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/005,974
;       FILING DATE:  October 26, 1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  218/064
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  2865:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-2865

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   61.5%;  Pred. No. 2e+03;
  Matches    8;  Conservative    5;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1339 TCATTTCAGCCTG 1351
              :||:::|||||:|
Db          5 UCAUUUCAGCCUG 17


RESULT 2548
US-09-371-772B-728
; Sequence 728, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 728
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-728

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   15.4%;  Pred. No. 2e+03;
  Matches    2;  Conservative   11;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1769 GCTTTTTTTTTTT 1781
              ||::::::::::::
Db          5 GCUUUUUUUUUUU 17


RESULT 2549
US-09-371-772B-1389
; Sequence 1389, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1389
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1389

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   61.5%;  Pred. No. 2e+03;
  Matches    8;  Conservative    5;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1339 TCATTTCAGCCTG 1351
              :||:::|||||:|
Db          5 UCAUUUCAGCCUG 17


RESULT 2550
US-09-371-772B-5429/c
; Sequence 5429, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5429
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-5429

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        827 ACTGAGGTCTTCT 839
              |||||||||||||
Db         14 ACTGAGGTCTTCT 2


RESULT 2551
US-09-371-772B-5430/c
; Sequence 5430, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
```

; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5430
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5430

Query Match 0.5%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2e+03;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 827 ACTGAGGTCTTCT 839
|||||||||||||
Db 13 ACTGAGGTCTTCT 1

RESULT 2552
US-09-827-998-1725
; Sequence 1725, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1725
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1725

Query Match 0.5%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2e+03;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2318 TGTTGCTGCTTGT 2330
|||||||||||||
Db 1 TGTTGCTGCTTGT 13

RESULT 2553
US-09-866-108A-2674
; Sequence 2674, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 15755
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2674
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-2674

Query Match 0.5%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 2e+03;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 49 GCGCGGCGGGGGC 61
|||||||||||||
Db 2 GCGCGGCGGGGGC 14

RESULT 2554
US-09-866-108A-2675
; Sequence 2675, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: HANZEL, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
; APPLICANT: SHANNON, Mark
; TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
; FILE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108A
; CURRENT FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30

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;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2675
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-2675

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         49 GCGCGGCGGGGGC 61
              |||||||||||||
Db          1 GCGCGGCGGGGGC 13


RESULT 2555
US-09-866-108A-10729
; Sequence 10729, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10729
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10729

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2556 GGATGCTGGGCTC 2568
              |||||||||||||
Db          2 GGATGCTGGGCTC 14


RESULT 2556
US-09-866-108A-10730
; Sequence 10730, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10730
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10730

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2556 GGATGCTGGGCTC 2568
              |||||||||||||
Db          1 GGATGCTGGGCTC 13


RESULT 2557
PCT-US93-00977-84/c
; Sequence 84, Application PC/TUS9300977
;  GENERAL INFORMATION:
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR MEASURING MESSENGER RNA
;    NUMBER OF SEQUENCES:  711
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Knobbe, Martens, Olson, and Bear
;      STREET:  620 Newport Center Dr.  Sixteenth Floor
;      CITY:  Newport Beach
;      STATE:  CA
```

```
;       COUNTRY:  USA
;       ZIP:  92660
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US93/00977
;       FILING DATE:  19930129
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Altman, Daniel E.
;       REGISTRATION NUMBER:  34,115
;       REFERENCE/DOCKET NUMBER:  HITACHI.006H
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  714-760-0404
;       TELEFAX:  714-760-9502
;   INFORMATION FOR SEQ ID NO:  84:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA to mRNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
PCT-US93-00977-84

  Query Match             0.5%;  Score 13;  DB 1;  Length 17;
  Best Local Similarity   100.0%;  Pred. No. 2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1291 CAGCAGGCTCGCC 1303
              |||||||||||||
Db         17 CAGCAGGCTCGCC 5


RESULT 2558
US-09-725-265-48/c
; Sequence 48, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-48

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              |||||||||||||
Db         13 GAAAAAAAAAAAA 1


RESULT 2559
US-08-311-486C-11
; Sequence 11, Application US/08311486C
; Patent No. 5811300
;  GENERAL INFORMATION:
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth Draper
;    APPLICANT:  Kevin Kisich
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  TNF-'
;    NUMBER OF SEQUENCES:  1157
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/311,486C
;      FILING DATE:  September 23, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/166
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-311-486C-11

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   76.9%;  Pred. No. 2.3e+03;
  Matches   10;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       917 CTGTCCCCACCTG 929
             |:|:|||||||:|
Db         6 CUGUCCCCACCUG 18


RESULT 2560
US-08-311-486C-13
```

```
; Sequence 13, Application US/08311486C
; Patent No. 5811300
;  GENERAL INFORMATION:
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth Draper
;    APPLICANT:  Kevin Kisich
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  TNF-`
;    NUMBER OF SEQUENCES:  1157
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/311,486C
;      FILING DATE:  September 23, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/166
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-311-486C-13

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   76.9%;  Pred. No. 2.3e+03;
  Matches   10;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        917 CTGTCCCCACCTG 929
              |:|:|||||||:|
Db          6 CUGUCCCCACCUG 18


RESULT 2561
US-08-311-486C-1153
; Sequence 1153, Application US/08311486C
; Patent No. 5811300
;  GENERAL INFORMATION:
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth Draper
;    APPLICANT:  Kevin Kisich
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  TNF-`
;    NUMBER OF SEQUENCES:  1157
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/311,486C
;      FILING DATE:  September 23, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/166
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1153:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-311-486C-1153

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   76.9%;  Pred. No. 2.3e+03;
  Matches   10;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        917 CTGTCCCCACCTG 929
              |:|:|||||||:|
Db          6 CUGUCCCCACCUG 18


RESULT 2562
US-08-773-297-21
; Sequence 21, Application US/08773297
; Patent No. 5837855
;  GENERAL INFORMATION:
;    APPLICANT:  Chowrira, Bharat
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  HAIRPIN RIBOZYMES
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
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;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  FastSEQ for Windows 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/773,297
;       FILING DATE:  December 23, 1996
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/321,993
;       FILING DATE:  October 11, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  223/225
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  21:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-773-297-21

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   76.9%;  Pred. No. 2.3e+03;
  Matches   10;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        917 CTGTCCCCACCTG 929
              |:|:|||||||:|
Db          6 CUGUCCCCACCUG 18


RESULT 2563
US-08-773-297-23
; Sequence 23, Application US/08773297
; Patent No. 5837855
;  GENERAL INFORMATION:
;    APPLICANT:  Chowrira, Bharat
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  HAIRPIN RIBOZYMES
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/773,297
;      FILING DATE:  December 23, 1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/321,993
;      FILING DATE:  October 11, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  223/225
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-773-297-23

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   76.9%;  Pred. No. 2.3e+03;
  Matches   10;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        917 CTGTCCCCACCTG 929
              |:|:|||||||:|
Db          6 CUGUCCCCACCUG 18


RESULT 2564
US-09-205-921-8/c
; Sequence 8, Application US/09205921A
; Patent No. 6008048
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: ex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF EGR-1 EXPRESSION
;  FILE REFERENCE: RTS-0028
;  CURRENT APPLICATION NUMBER: US/09/205,921A
;  CURRENT FILING DATE: 1998-12-04
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 8
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-921-8

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATC 427
              |||||||||||||
Db         13 CGCCGCCGCCATC 1


RESULT 2565
US-09-098-293-21
; Sequence 21, Application US/09098293
; Patent No. 6022962
;  GENERAL INFORMATION:
;    APPLICANT:  Chowrira, Bharat
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  HAIRPIN RIBOZYMES
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/098,293
```

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;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/773,297
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  223/225
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-098-293-21

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   76.9%;  Pred. No. 2.3e+03;
  Matches   10;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        917 CTGTCCCCACCTG 929
              |:|:|||||||:|
Db          6 CUGUCCCCACCUG 18


RESULT 2566
US-09-098-293-23
; Sequence 23, Application US/09098293
; Patent No. 6022962
;  GENERAL INFORMATION:
;    APPLICANT:  Chowrira, Bharat
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  HAIRPIN RIBOZYMES
;    NUMBER OF SEQUENCES:  48
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/098,293
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/773,297
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  223/225
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-098-293-23

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   76.9%;  Pred. No. 2.3e+03;
  Matches   10;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        917 CTGTCCCCACCTG 929
              |:|:|||||||:|
Db          6 CUGUCCCCACCUG 18


RESULT 2567
US-08-483-511-62
; Sequence 62, Application US/08483511
; Patent No. 6297048
;  GENERAL INFORMATION:
;    APPLICANT:  Jolly, Douglas J.
;    APPLICANT:  Chang, Stephen M.W.
;    APPLICANT:  Lee, William T.L.
;    APPLICANT:  Townsend, Kay
;    APPLICANT:  O'Dea, Joanne
;    TITLE OF INVENTION:  HEPATITIS THERAPEUTICS
;    NUMBER OF SEQUENCES:  84
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seed and Berry
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  U.S.
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/483,511
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McMasters, David D.
;      REGISTRATION NUMBER:  33,963
;      REFERENCE/DOCKET NUMBER:  930049.407C5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206-622-4900
;      TELEFAX:  206-682-6031
;      TELEX:  3723836
;  INFORMATION FOR SEQ ID NO:  62:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-483-511-62

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1458 GAGACCAGAGTCC 1470
              |||||||||||||
Db          5 GAGACCAGAGTCC 17


RESULT 2568
US-09-507-819-72
; Sequence 72, Application US/09507819
; Patent No. 6303314
; GENERAL INFORMATION:
;  APPLICANT: Jingwu, Zhang Z.
;  TITLE OF INVENTION: T Cell Receptor VB-DB-JB Sequence and Methods For Its
; Patent No. 6303314
```

```
;  TITLE OF INVENTION: Detection
;  FILE REFERENCE: BCOL003
;  CURRENT APPLICATION NUMBER: US/09/507,819
;  CURRENT FILING DATE: 2000-02-22
;  NUMBER OF SEQ ID NOS: 77
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 72
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-507-819-72

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1015 CAAGATCGGGTTG 1027
              |||||||||||||
Db          1 CAAGATCGGGTTG 13


RESULT 2569
US-09-422-978-4473/c
; Sequence 4473, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4473
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-15200 for SEQ 539,
US-09-422-978-4473

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        776 CCTCTGAACCTCC 788
              |||||||||||||
Db         18 CCTCTGAACCTCC 6


RESULT 2570
US-09-422-978-8593
; Sequence 8593, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8593
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: downstream amplification primer 99-16891 for SEQ 728, in compleme
US-09-422-978-8593

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2485 ATGGTGATGGGGT 2497
              |||||||||||||
Db          1 ATGGTGATGGGGT 13


RESULT 2571
US-09-641-576-72
; Sequence 72, Application US/09641576
; Patent No. 6541608
; GENERAL INFORMATION:
;  APPLICANT:  Jingwu, Zhang Z.
;  TITLE OF INVENTION:  T Cell Receptor VB-DB-JB Sequence and Methods For Its
; Patent No. 6541608
;  TITLE OF INVENTION:  Detection
;  FILE REFERENCE:  BCOL005 / 10237.0005.CPU500
;  CURRENT APPLICATION NUMBER: US/09/641,576
;  CURRENT FILING DATE:  2000-08-18
;  NUMBER OF SEQ ID NOS:  77
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 72
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-641-576-72

  Query Match             0.5%;  Score 13;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 2.3e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1015 CAAGATCGGGTTG 1027
              |||||||||||||
Db          1 CAAGATCGGGTTG 13


RESULT 2572
US-08-899-029-1/c
; Sequence 1, Application US/08899029
; Patent No. 6143531
;  GENERAL INFORMATION:
;    APPLICANT:  HUSE, WILLIAM D.
;    TITLE OF INVENTION:  IMPROVED METHOD OF DOUBLE
;    TITLE OF INVENTION:  STRANDED DNA SYNTHESIS
;    NUMBER OF SEQUENCES:  3
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds, LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York,
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10036-2711
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
```

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;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/899,029
;      FILING DATE:  22-JUL-1997
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/116,049
;      FILING DATE:  02-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Abrams, Samuel B
;      REGISTRATION NUMBER:  30,605
;      REFERENCE/DOCKET NUMBER:  8142-125-999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-790-9090
;      TELEFAX:  212-869-9741
;      TELEX:  66141 PENNIE
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  unknown
US-08-899-029-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.6e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         19 AAAAAAAAAAAAA 7


RESULT 2573
US-08-750-088A-54/c
; Sequence 54, Application US/08750088A
; Patent No. 6329138
;  GENERAL INFORMATION:
;    APPLICANT:  DE BEENHOUWER, HANS
;    APPLICANT:  PORTAELS, FRAN OISE
;    APPLICANT:  MACHTELINCKX, LIEVE
;    APPLICANT:  JANNES, GEERT
;    APPLICANT:  ROSSAU, RUDI
;    TITLE OF INVENTION:  METHOD FOR DETECTION OF THE ANTIBIOTIC
;    TITLE OF INVENTION:  RESISTANCE SPECTRUM OF MYCOBACTERIUM SPECIES
;    NUMBER OF SEQUENCES:  71
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
;      STREET:  1100 NEW YORK AVENUE, SUITE 600
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  US
;      ZIP:  20005-3934
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/750,088A
;      FILING DATE:  21-FEB-1997
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GOLDSTEIN, JORGE A.
;      REGISTRATION NUMBER:  29,021
;      REFERENCE/DOCKET NUMBER:  1657.0010000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-371-2600
;      TELEFAX:  202-371-2540
;  INFORMATION FOR SEQ ID NO:  54:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-750-088A-54

  Query Match             0.5%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.6e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        443 CCGGCGCCCACAG 455
              |||||||||||||
Db         14 CCGGCGCCCACAG 2


RESULT 2574
US-08-948-113D-2/c
; Sequence 2, Application US/08948113D
; Patent No. 6482937
; GENERAL INFORMATION:
;  APPLICANT: Baetscher, Manfred W.
;  APPLICANT:  Akiyoshi, Donna E.
;  APPLICANT:  Kaplan, Ruth A.
;  TITLE OF INVENTION: Pluripotent Porcine Cells, Genetically Modified Porcine
;  TITLE OF INVENTION:  Cells and Pigs for Use in Said Method, Transgenic Pigs
;  FILE REFERENCE: 61750-309
;  CURRENT APPLICATION NUMBER: US/08/948,113D
;  CURRENT FILING DATE:  1997-10-09
;  NUMBER OF SEQ ID NOS: 39
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Degenerate
;   OTHER INFORMATION: antisense primer for PCR amplification of
;   OTHER INFORMATION: Oct-family member gene
US-08-948-113D-2

  Query Match             0.5%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   68.4%;  Pred. No. 2.6e+03;
  Matches   13;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1656 TGGTTCTGCATCACCCGCC 1674
              ||||||||:| |  :||:|
Db         19 TGGTTCTGYAACCGSCGSC 1


RESULT 2575
US-09-722-319-54/c
; Sequence 54, Application US/09722319
; Patent No. 6632607
; GENERAL INFORMATION:
;  APPLICANT: DE BEENHOUWER, HANS
;  APPLICANT:  PORTAELS,  FRANCOISE
;  APPLICANT:  MACHTELINCKX, LIEVE
;  APPLICANT:  JANNES, GEERT
;  APPLICANT:  ROSSAU, RUDI
;  TITLE OF INVENTION: Oligonucleotide Molecules for Use in Detection of Mycobacterium
;  TITLE OF INVENTION:  Antibiotic Resistance
;  FILE REFERENCE: 1657.0010001
;  CURRENT APPLICATION NUMBER: US/09/722,319
;  CURRENT FILING DATE:  2000-11-28
;  PRIOR APPLICATION NUMBER: US 08/750,088
;  PRIOR FILING DATE: 1996-12-06
;  PRIOR APPLICATION NUMBER: PCT/EP95/02230
;  PRIOR FILING DATE: 1995-06-09
;  PRIOR APPLICATION NUMBER: EP 94870093.5
;  PRIOR FILING DATE: 1994-06-09
;  NUMBER OF SEQ ID NOS: 73
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 54
;   LENGTH: 19
```

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;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Probe
US-09-722-319-54

  Query Match             0.5%;  Score 13;  DB 1;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 2.6e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        443 CCGGCGCCCACAG 455
              |||||||||||||
Db         14 CCGGCGCCCACAG 2


RESULT 2576
US-08-371-121-19
; Sequence 19, Application US/08371121
; Patent No. 5652123
;  GENERAL INFORMATION:
;    APPLICANT:  CAPUT, Daniel
;    APPLICANT:  FERRARA, Pascual
;    APPLICANT:  GUILLEMOT, Jean-Claude
;    APPLICANT:  LEPLATOIS, Pascal
;    APPLICANT:  MINTY, Adrian
;    APPLICANT:  KAGHAD, Mourad
;    APPLICANT:  LABIT-LE BOUTEILLER, Christine
;    APPLICANT:  MAGAZIN, Marilyn
;    TITLE OF INVENTION:  Protein having a cytokine type
;    TITLE OF INVENTION:  activity, recombinant DNA coding for this protein,
;    TITLE OF INVENTION:  transformed cells and microorganisms.
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY & LARDNER
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington, D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/371,121
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/938,161
;      FILING DATE:  30-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/FR92/00280
;      FILING DATE:  27-MAR-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 91 00137
;      FILING DATE:  08-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  FR 91 03904
;      FILING DATE:  29-MAR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SAXE, Bernhard D.
;      REGISTRATION NUMBER:  28,665
;      REFERENCE/DOCKET NUMBER:  16781/383
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 672-5300
;      TELEFAX:  (202) 672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
US-08-371-121-19

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db          1 AAAAAAAAAAAAA 13


RESULT 2577
US-07-927-391-20
; Sequence 20, Application US/07927391
; Patent No. 6001649
;  GENERAL INFORMATION:
;    APPLICANT:  CAPUT, Daniel
;    APPLICANT:  FERRARA, Pascual
;    APPLICANT:  MILOUX, Brigitte
;    APPLICANT:  MINTY, Adrian
;    APPLICANT:  VITA, Natalio
;    TITLE OF INVENTION:  Protein having a cytokin type
;    TITLE OF INVENTION:  activity,and recombinant DNA,expression vector and hosts
;    TITLE OF INVENTION:  for its preparation.
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FOLEY & LARDNER
;      STREET:  King Street Station,Suite 500,1800 Diagonal
;      STREET:  Road,PO Box 299
;      CITY:  ALEXANDRIA
;      STATE:  VIRGINIA
;      COUNTRY:  USA
;      ZIP:  22313-0299
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/927,391
;      FILING DATE:  19920929
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  SAXE, Bernhard D
;      REGISTRATION NUMBER:  28,665
;      REFERENCE/DOCKET NUMBER:  16781/369
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-9300
;      TELEFAX:  (703) 683-4109
;      TELEX:  899149
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-07-927-391-20

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db          1 AAAAAAAAAAAAA 13


RESULT 2578
US-08-858-876A-6
; Sequence 6, Application US/08858876A
```

```
; Patent No. 6022856
;  GENERAL INFORMATION:
;    APPLICANT:  Daniel CAPUT
;    APPLICANT:  Pascale CHALON
;    APPLICANT:  Pascual FERRARA
;    APPLICANT:  Vita NATALIO
;    TITLE OF INVENTION:  Type 2 Neurotensin Receptor
;    TITLE OF INVENTION:  (hNT-R2)
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Jacobson, Price, Holman & Stern, PLLC
;      STREET:  400 Seventh Street
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/858,876A
;      FILING DATE:  19-SEP-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/FR 9723204
;      FILING DATE:  17-MAR-1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Player, William E.
;      REGISTRATION NUMBER:  31,049
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-858-876A-6

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db          1 AAAAAAAAAAAAA 13


RESULT 2579
US-09-472-880-6
; Sequence 6, Application US/09472880
; Patent No. 6274333
;   GENERAL INFORMATION:
;        APPLICANT: Daniel CAPUT
;                   Pascale CHALON
;                   Pascual FERRARA
;                   Vita NATALIO
;        TITLE OF INVENTION: Type 2 Neurotensin Receptor
;                            (hNT-R2)
;        NUMBER OF SEQUENCES: 12
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Jacobson, Price, Holman & Stern, PLLC
;             STREET: 400 Seventh Street
;             CITY: Washington
;             STATE: D.C.
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/472,880
;             FILING DATE: 28-Dec-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: PCT/FR 9723204
;             FILING DATE: 17-MAR-1997
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Player, William E.
;             REGISTRATION NUMBER: 31,049
;   INFORMATION FOR SEQ ID NO: 6:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-472-880-6

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db          1 AAAAAAAAAAAAA 13


RESULT 2580
US-08-088-658-33/c
; Sequence 33, Application US/08088658
; Patent No. 5641625
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5641625ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/088,658
;      FILING DATE:  19930702
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/054,363
;      FILING DATE:  26-APRIL-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lucci, Joseph
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-1052
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
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US-08-088-658-33

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   68.4%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||       ||||||
Db         20 AAAAAAANNNNNNAAAAAA 2


RESULT 2581
US-08-471-907A-33/c
; Sequence 33, Application US/08471907A
; Patent No. 5986053
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5986053ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/471,907A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/088,658
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lucci, Joseph
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-1052
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  33:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-471-907A-33

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   68.4%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||       ||||||
Db         20 AAAAAAANNNNNNAAAAAA 2


RESULT 2582
US-09-422-978-8908/c
; Sequence 8908, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8908
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-1997 for SEQ 1043, in complem
US-09-422-978-8908

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1096 TGTTCATTTGGCT 1108
              |||||||||||||
Db         13 TGTTCATTTGGCT 1


RESULT 2583
US-07-872-644-1/c
; Sequence 1, Application US/07872644
; Patent No. 5389527
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/872,644
;      FILING DATE:  19920420
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5389527and, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
```

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;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-07-872-644-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCATTCT 1793
              ||:||:|| |  |||||: |
Db         20 TTYTTYTTCATNCCCATYTT 1


RESULT 2584
US-08-474-542A-112
; Sequence 112, Application US/08474542A
; Patent No. 5527898
;  GENERAL INFORMATION:
;    APPLICANT:  Bauer, Heidi M.
;    APPLICANT:  Gravitt, Patti E.
;    APPLICANT:  Greer, Catherine E.
;    APPLICANT:  Impraim, Chaka C.
;    APPLICANT:  Manos, M. Michele
;    APPLICANT:  Resnick, Robert M.
;    TITLE OF INVENTION:  Detection of Human Papillomavirus by the
;    TITLE OF INVENTION:  Polymerase Chain Reaction
;    NUMBER OF SEQUENCES:  298
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann-La Roche Inc.
;      STREET:  340 Kingsland Street
;      CITY:  Nutley
;      STATE:  New Jersey
;      COUNTRY:  U.S.A.
;      ZIP:  07110
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/474,542A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Petry, Douglas A.
;      REGISTRATION NUMBER:  35,321
;      REFERENCE/DOCKET NUMBER:  9234
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 814-2974
;      TELEFAX:  (510) 814-2977
;  INFORMATION FOR SEQ ID NO:  112:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-474-542A-112

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   76.5%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1940 GTAATGGTTGGTTTTTG 1956
              |||::|| ||||||  ||
Db          2 GTAMWGGMTGGTTTATG 18


RESULT 2585
US-08-474-542A-118/c
; Sequence 118, Application US/08474542A
; Patent No. 5527898
;  GENERAL INFORMATION:
;    APPLICANT:  Bauer, Heidi M.
;    APPLICANT:  Gravitt, Patti E.
;    APPLICANT:  Greer, Catherine E.
;    APPLICANT:  Impraim, Chaka C.
;    APPLICANT:  Manos, M. Michele
;    APPLICANT:  Resnick, Robert M.
;    TITLE OF INVENTION:  Detection of Human Papillomavirus by the
;    TITLE OF INVENTION:  Polymerase Chain Reaction
;    NUMBER OF SEQUENCES:  298
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann-La Roche Inc.
;      STREET:  340 Kingsland Street
;      CITY:  Nutley
;      STATE:  New Jersey
;      COUNTRY:  U.S.A.
;      ZIP:  07110
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/474,542A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Petry, Douglas A.
;      REGISTRATION NUMBER:  35,321
;      REFERENCE/DOCKET NUMBER:  9234
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 814-2974
;      TELEFAX:  (510) 814-2977
;  INFORMATION FOR SEQ ID NO:  118:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-474-542A-118

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   76.5%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1940 GTAATGGTTGGTTTTTG 1956
              |||::|| ||||||  ||
Db         19 GTAMWGGMTGGTTTATG 3


RESULT 2586
US-08-297-494-1/c
; Sequence 1, Application US/08297494
; Patent No. 5580771
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
```

```
;       CITY:  Chicago
;       STATE:  Illinois
;       COUNTRY:  USA
;       ZIP:  60603
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/297,494
;       FILING DATE:
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/688,356
;       FILING DATE:  04-APR-1991
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  No. 5580771and, Greta E.
;       REGISTRATION NUMBER:  35,302
;       REFERENCE/DOCKET NUMBER:  27866/30822
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (312) 346-5750
;       TELEFAX:  (312) 984-9740
;       TELEX:  25-3856
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-297-494-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCATTCT 1793
              ||:||:|| |  |||||: |
Db         20 TTYTTYTTCATNCCCATYTT 1


RESULT 2587
US-08-427-863-8
; Sequence 8, Application US/08427863
; Patent No. 5593834
;  GENERAL INFORMATION:
;    APPLICANT:  LANE, Michael J., BENIGHT, Albert S., and
;    APPLICANT:  FALDASZ, Brian D.
;    TITLE OF INVENTION:  METHOD OF PREPARING DNA SEQUENCES WITH KNOWN
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LAHIVE & COCKFIELD
;      STREET:  60 State Street, suite 510
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII text
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/427,863
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/078,759
;      FILING DATE:  17 JUNE 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul Louis Myers
;      REGISTRATION NUMBER:  35,965
;      REFERENCE/DOCKET NUMBER:  TNI-001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 227-7400
;      TELEFAX:  (617) 227-4951
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-427-863-8

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTT 1779
              |||||||||||||
Db          8 AAGCTTTTTTTTT 20


RESULT 2588
US-08-427-863-8/c
; Sequence 8, Application US/08427863
; Patent No. 5593834
;  GENERAL INFORMATION:
;    APPLICANT:  LANE, Michael J., BENIGHT, Albert S., and
;    APPLICANT:  FALDASZ, Brian D.
;    TITLE OF INVENTION:  METHOD OF PREPARING DNA SEQUENCES WITH KNOWN
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LAHIVE & COCKFIELD
;      STREET:  60 State Street, suite 510
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII text
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/427,863
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/078,759
;      FILING DATE:  17 JUNE 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul Louis Myers
;      REGISTRATION NUMBER:  35,965
;      REFERENCE/DOCKET NUMBER:  TNI-001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 227-7400
;      TELEFAX:  (617) 227-4951
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-427-863-8

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTT 1779
              |||||||||||||
Db         13 AAGCTTTTTTTTT 1
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```
RESULT 2589
US-08-297-510-1/c
; Sequence 1, Application US/08297510
; Patent No. 5602019
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/297,510
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5602019and, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-297-510-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCATTCT 1793
              ||:||:|| |  |||||: |
Db         20 TTYTTYTTCATNCCCATYTT 1


RESULT 2590
US-08-457-648-112
; Sequence 112, Application US/08457648
; Patent No. 5639871
;  GENERAL INFORMATION:
;    APPLICANT:  Bauer, Heidi M.
;    APPLICANT:  Gravitt, Patti E.
;    APPLICANT:  Greer, Catherine E.
;    APPLICANT:  Impraim, Chaka C.
;    APPLICANT:  Manos, M. Michele
;    APPLICANT:  Resnick, Robert M.
;    TITLE OF INVENTION:  Detection of Human Papillomavirus by the
;    TITLE OF INVENTION:  Polymerase Chain Reaction
;    NUMBER OF SEQUENCES:  298
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann-La Roche Inc.
;      STREET:  340 Kingsland Street
;      CITY:  Nutley
;      STATE:  New Jersey
;      COUNTRY:  U.S.A.
;      ZIP:  07110
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/457,648
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Petry, Douglas A.
;      REGISTRATION NUMBER:  35,321
;      REFERENCE/DOCKET NUMBER:  9205
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 814-2974
;      TELEFAX:  (510) 814-2977
;  INFORMATION FOR SEQ ID NO:  112:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-457-648-112

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   76.5%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1940 GTAATGGTTGGTTTTTG 1956
              |||::|| ||||||  ||
Db          2 GTAMWGGMTGGTTTATG 18


RESULT 2591
US-08-457-648-118/c
; Sequence 118, Application US/08457648
; Patent No. 5639871
;  GENERAL INFORMATION:
;    APPLICANT:  Bauer, Heidi M.
;    APPLICANT:  Gravitt, Patti E.
;    APPLICANT:  Greer, Catherine E.
;    APPLICANT:  Impraim, Chaka C.
;    APPLICANT:  Manos, M. Michele
;    APPLICANT:  Resnick, Robert M.
;    TITLE OF INVENTION:  Detection of Human Papillomavirus by the
;    TITLE OF INVENTION:  Polymerase Chain Reaction
;    NUMBER OF SEQUENCES:  298
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann-La Roche Inc.
;      STREET:  340 Kingsland Street
;      CITY:  Nutley
;      STATE:  New Jersey
;      COUNTRY:  U.S.A.
;      ZIP:  07110
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/457,648
;      FILING DATE:
;      CLASSIFICATION:  435
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Petry, Douglas A.
;      REGISTRATION NUMBER:  35,321
;      REFERENCE/DOCKET NUMBER:  9205
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (510) 814-2974
;      TELEFAX:  (510) 814-2977
;  INFORMATION FOR SEQ ID NO:  118:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-457-648-118

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   76.5%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1940 GTAATGGTTGGTTTTTG 1956
              |||::|| ||||||  ||
Db         19 GTAMWGGMTGGTTTATG 3


RESULT 2592
US-08-479-532-1/c
; Sequence 1, Application US/08479532
; Patent No. 5776752
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,532
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/297,494
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5776752and, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-479-532-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCATTCT 1793
              ||:||:|| |  |||||: |
Db         20 TTYTTYTTCATNCCCATYTT 1


RESULT 2593
US-08-455-526-1/c
; Sequence 1, Application US/08455526
; Patent No. 5789553
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,526
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/297,494
;      FILING DATE:  29-AUG-1994
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5789553and, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-526-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCATTCT 1793
              ||:||:|| |  |||||: |
Db         20 TTYTTYTTCATNCCCATYTT 1
```

```
RESULT 2594
US-08-455-525-1/c
; Sequence 1, Application US/08455525
; Patent No. 5800987
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,525
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/297,494
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5800987and, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-525-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCATTCT 1793
              ||:||:|| |  |||||: |
Db         20 TTYTTYTTCATNCCCATYTT 1


RESULT 2595
US-08-954-333-3
; Sequence 3, Application US/08954333
; Patent No. 5986080
;  GENERAL INFORMATION:
;    APPLICANT:  Ikuko Masuda, et al.
;    TITLE OF INVENTION:  CLONED NUCLEOTIDE PYROPHOSPHOHYDRALASE AND
;    TITLE OF INVENTION:  USES THEREOF
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Quarles & Brady
;      STREET:  411 East Wisconsin Avenue
;      CITY:  Milwaukee
;      STATE:  Wisconsin
;      COUNTRY:  U.S.A.
;      ZIP:  53202-4497
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/954,333
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ryser, David G.
;      REGISTRATION NUMBER:  36,407
;      REFERENCE/DOCKET NUMBER:  650053.91070
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (414) 277-5717
;      TELEFAX:  (414) 271-3552
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-954-333-3

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2680 GTGGGTGAAATGGAGATTTG 2699
              ||:||  | |||||:||: |
Db          1 GTSGGNAAYATGGARATYMG 20


RESULT 2596
US-09-139-491-1/c
; Sequence 1, Application US/09139491
; Patent No. 6015677
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/139,491
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,525
;      FILING DATE:  31-MAY-1995
;      APPLICATION NUMBER:  08/297,494
```

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;       FILING DATE:
;       APPLICATION NUMBER:  US 07/688,356
;       FILING DATE:  04-APR-1991
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  No. 6015677and, Greta E.
;       REGISTRATION NUMBER:  35,302
;       REFERENCE/DOCKET NUMBER:  27866/30822
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (312) 346-5750
;       TELEFAX:  (312) 984-9740
;       TELEX:  25-3856
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-09-139-491-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCATTCT 1793
                 ||:||:|| |  |||||: |
Db         20 TTYTTYTTCATNCCCATYTT 1


RESULT 2597
US-08-763-417-7
; Sequence 7, Application US/08763417
; Patent No. 6027884
;  GENERAL INFORMATION:
;    APPLICANT:  LANE, Michael J., BENIGHT, Albert S., and
;    APPLICANT:  FALDASZ, Brian D.
;    TITLE OF INVENTION:  THERMODYNAMICS, DESIGN, AND USE OF
;    TITLE OF INVENTION:  NUCLEIC ACID SEQUENCES
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LAHIVE & COCKFIELD
;      STREET:  60 State Street, suite 510
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII text
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/763,417
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/260,200
;      FILING DATE:  17-JUN-1994
;      APPLICATION NUMBER:  US 08/224,840
;      FILING DATE:  8-APR-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/078,759
;      FILING DATE:  17-JUN-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul Louis Myers
;      REGISTRATION NUMBER:  35,965
;      REFERENCE/DOCKET NUMBER:  TMI-010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 227-7400
;      TELEFAX:  (617) 227-4951
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-763-417-7

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTT 1779
                ||||||||||||
Db          8 AAGCTTTTTTTTT 20


RESULT 2598
US-08-763-417-7/c
; Sequence 7, Application US/08763417
; Patent No. 6027884
;  GENERAL INFORMATION:
;    APPLICANT:  LANE, Michael J., BENIGHT, Albert S., and
;    APPLICANT:  FALDASZ, Brian D.
;    TITLE OF INVENTION:  THERMODYNAMICS, DESIGN, AND USE OF
;    TITLE OF INVENTION:  NUCLEIC ACID SEQUENCES
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LAHIVE & COCKFIELD
;      STREET:  60 State Street, suite 510
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII text
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/763,417
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/260,200
;      FILING DATE:  17-JUN-1994
;      APPLICATION NUMBER:  US 08/224,840
;      FILING DATE:  8-APR-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/078,759
;      FILING DATE:  17-JUN-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul Louis Myers
;      REGISTRATION NUMBER:  35,965
;      REFERENCE/DOCKET NUMBER:  TMI-010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 227-7400
;      TELEFAX:  (617) 227-4951
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-763-417-7

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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```
Qy       1767 AAGCTTTTTTTTT 1779
              |||||||||||||
Db         13 AAGCTTTTTTTTT 1


RESULT 2599
US-09-289-267-111
; Sequence 111, Application US/09289267A
; Patent No. 6046320
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF MDMX EXPRESSION
;  FILE REFERENCE: RTS-0049
;  CURRENT APPLICATION NUMBER: US/09/289,267A
;  CURRENT FILING DATE: 1999-04-04
;  NUMBER OF SEQ ID NOS: 166
; SEQ ID NO 111
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-289-267-111

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2606 TCTGTTCAGAAAG 2618
              |||||||||||||
Db          1 TCTGTTCAGAAAG 13


RESULT 2600
US-08-954-536-8
; Sequence 8, Application US/08954536
; Patent No. 6100445
;  GENERAL INFORMATION:
;    APPLICANT:  Seshadri, Tara
;    APPLICANT:  Li, Ping
;    APPLICANT:  Allen, Hamish
;    APPLICANT:  Banerjee, Subhashis
;    APPLICANT:  Paskind, Michael
;    TITLE OF INVENTION:  Transgenic No. 6100445human Animal Having Functionally
;    TITLE OF INVENTION:  Disrupted Interleukin-1b Converting Enzyme
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  LAHIVE & COCKFIELD
;      STREET:  60 STATE STREET, SUITE 510
;      CITY:  BOSTON
;      STATE:  MASSACHUSETTS
;      COUNTRY:  USA
;      ZIP:  02109-1875
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII text
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/954,536
;      FILING DATE:
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/323,490
;      FILING DATE:  14-OCT-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DECONTI, GIULIO, A. JR.
;      REGISTRATION NUMBER:  31,503
;      REFERENCE/DOCKET NUMBER:  BBI-019
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 227-7400
;      TELEFAX:  (617) 227-5941
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
US-08-954-536-8

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2612 CAGAAAGCAATAA 2624
              |||||||||||||
Db          4 CAGAAAGCAATAA 16


RESULT 2601
US-08-687-421-329
; Sequence 329, Application US/08687421
; Patent No. 6177557
;  GENERAL INFORMATION:
;    APPLICANT:  Gold, Larry
;    APPLICANT:  Janjic, Nebojsa
;    APPLICANT:  Tasset, Diane
;    TITLE OF INVENTION:  HIGH-AFFINITY LIGANDS OF BASIC
;    TITLE OF INVENTION:  FIBROBLAST GROWTH FACTOR AND
;    TITLE OF INVENTION:  THROMBIN
;    NUMBER OF SEQUENCES:  445
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Swanson & Bratschun, L.L.C.
;      STREET:  8400 E. Prentice Avenue, Suite 200
;      CITY:  Englewood
;      STATE:  Colorado
;      COUNTRY:  USA
;      ZIP:  80111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 MB storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WordPerfect 6.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/687,421
;      FILING DATE:  08-MAY-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/195,005
;      FILING DATE:  10-FEBRUARY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:  22-APRIL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/219,012
;      FILING DATE:  28-MARCH-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/973,333
;      FILING DATE:  11-NOVEMBER-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/714,131
;      FILING DATE:  10-JUNE-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/536,428
;      FILING DATE:  11-JUNE-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Barry J. Swanson
;      REGISTRATION NUMBER:  33,215
;      REFERENCE/DOCKET NUMBER:  NEX07/PCT
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (303) 793-3333
;      TELEFAX:  (303) 793-3433
;  INFORMATION FOR SEQ ID NO:  329:
;    SEQUENCE CHARACTERISTICS:
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;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  N
;      LOCATION:  17 and 19
;      OTHER INFORMATION:  The N = biotin
US-08-687-421-329

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        608 CTGCTGCTGCCCC 620
              |||||||||||||
Db          3 CTGCTGCTGCCCC 15


RESULT 2602
US-09-338-907-96/c
; Sequence 96, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 96
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Mus Musculus
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..20
;   OTHER INFORMATION: amplification oligonucleotide moPG3RACE2n
US-09-338-907-96

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        450 CCACAGGCAGCCA 462
              |||||||||||||
Db         17 CCACAGGCAGCCA 5


RESULT 2603
US-09-488-074-5/c
; Sequence 5, Application US/09488074
; Patent No. 6339071
; GENERAL INFORMATION:
;  APPLICANT: LEVESQUE, Luc
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATING
;  TITLE OF INVENTION: CYCLIN E GENE EXPRESSION AND THERAPEUTIC USES THEREOF
;  FILE REFERENCE: 12168-3US
;  CURRENT APPLICATION NUMBER: US/09/488,074
;  CURRENT FILING DATE: 2000-01-20
;  EARLIER APPLICATION NUMBER: US 60/140,446
;  EARLIER FILING DATE: 1999-06-23
;  NUMBER OF SEQ ID NOS: 14
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense oligonucleotide
US-09-488-074-5

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1571 ATCCTTCTCCACC 1583
              |||||||||||||
Db         13 ATCCTTCTCCACC 1


RESULT 2604
US-09-218-207-96/c
; Sequence 96, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 96
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Mus Musculus
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..20
;   OTHER INFORMATION: amplification oligonucleotide moPG3RACE2n
US-09-218-207-96

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        450 CCACAGGCAGCCA 462
              |||||||||||||
Db         17 CCACAGGCAGCCA 5


RESULT 2605
US-09-716-161A-77
; Sequence 77, Application US/09716161A
; Patent No. 6355482
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Susan M. Freier
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN BETA 4 BINDING PROTEIN EXPRESSIC
;  FILE REFERENCE: RTS-0176
;  CURRENT APPLICATION NUMBER: US/09/716,161A
;  CURRENT FILING DATE:  2000-11-07
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
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```
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-716-161A-77

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        484 CCAGAGCCAGGAG 496
              |||||||||||||
Db          3 CCAGAGCCAGGAG 15


RESULT 2606
US-09-658-687A-12
; Sequence 12, Application US/09658687A
; Patent No. 6387699
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF A20 EXPRESSION
;  FILE REFERENCE: RTS-0141
;  CURRENT APPLICATION NUMBER: US/09/658,687A
;  CURRENT FILING DATE:  2000-09-08
;  NUMBER OF SEQ ID NOS: 88
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-658-687A-12

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        545 CACCTCTCCGGGC 557
              |||||||||||||
Db          5 CACCTCTCCGGGC 17


RESULT 2607
US-08-108-591B-40/c
; Sequence 40, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 40
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-40

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTT 2175
              |||||||||||||
Db         18 TCCTTTTTTTTTT 6


RESULT 2608
US-08-108-591B-41
; Sequence 41, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-41

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTT 2175
              |||||||||||||
Db          3 TCCTTTTTTTTTT 15


RESULT 2609
US-08-882-322-3/c
; Sequence 3, Application US/08882322
; Patent No. 6407056
;  GENERAL INFORMATION:
;    APPLICANT:  Seiberg et al.
;    TITLE OF INVENTION:  METHODS FOR ALTERING HAIR GROWTH AND HAIR PIGMENTATION BY APO
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Johnson & Johnson
;      STREET:  One J&J Plaza
;      CITY:  New Brunswick
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08933
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,322
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Mangini, Michelle
;      REGISTRATION NUMBER:  36,806
;      REFERENCE/DOCKET NUMBER:  J&J-1663/1616
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-524-2810
;      TELEFAX:  908-524-2808
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-882-322-3

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
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```
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2555 AGGATGCTGGGCT 2567
              |||||||||||||
Db         15 AGGATGCTGGGCT 3


RESULT 2610
US-09-657-452A-77/c
; Sequence 77, Application US/09657452A
; Patent No. 6426188
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHORYLASE KINASE ALPHA 1 EXPRESSION
;  FILE REFERENCE: RTS-0125
;  CURRENT APPLICATION NUMBER: US/09/657,452A
;  CURRENT FILING DATE:  2000-09-07
;  NUMBER OF SEQ ID NOS: 178
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-657-452A-77

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1507 ACACAGGAAATAA 1519
              |||||||||||||
Db         16 ACACAGGAAATAA 4


RESULT 2611
US-09-579-791-7/c
; Sequence 7, Application US/09579791
; Patent No. 6511800
; GENERAL INFORMATION:
;  APPLICANT: SINGH, INDERJIT
;  TITLE OF INVENTION: METHODS OF TREATING NITRIC OXIDE AND CYTOKINE MEDIATED DISORDERS
;  FILE REFERENCE: MESC:002US
;  CURRENT APPLICATION NUMBER: US/09/579,791
;  CURRENT FILING DATE:  2000-05-25
;  PRIOR APPLICATION NUMBER: PCT/US98/25360
;  PRIOR FILING DATE: 1998-11-24
;  PRIOR APPLICATION NUMBER: 60/066,839
;  PRIOR FILING DATE: 1997-11-25
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Primer
US-09-579-791-7

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1257 AACTTCTCAGCCA 1269
              |||||||||||||
Db         17 AACTTCTCAGCCA 5


RESULT 2612
US-09-422-978-10493
; Sequence 10493, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10493
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..20
;   OTHER INFORMATION: downstream amplification primer 99-12352 for SEQ 2628, in comple
US-09-422-978-10493

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1919 ACCTTTTTTTTCA 1931
              |||||||||||||
Db          1 ACCTTTTTTTTCA 13


RESULT 2613
US-09-883-825-1/c
; Sequence 1, Application US/09883825
; Patent No. 6642040
;   GENERAL INFORMATION:
;        APPLICANT: Beavo, Joseph A.
;                   Bentley, Kelley
;                   Charbonneau, Harry
;                   Sonnenburg, William K.
;        TITLE OF INVENTION: DNA Encoding Mammalian
;                            Phosphodiesterases
;        NUMBER OF SEQUENCES: 58
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
;                        Bicknell
;             STREET: Two First National Plaza, 20 South Clark
;                     Street
;             CITY: Chicago
;             STATE: Illinois
;             COUNTRY: USA
;             ZIP: 60603
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/883,825
;             FILING DATE: 18-Jun-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/123,783
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: 08/297,494
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: US 07/688,356
;             FILING DATE: 04-APR-1991
```

```
;       ATTORNEY/AGENT INFORMATION:
;            NAME: No. 6642040and, Greta E.
;            REGISTRATION NUMBER: 35,302
;            REFERENCE/DOCKET NUMBER: 27866/30822
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (312) 346-5750
;            TELEFAX: (312) 984-9740
;            TELEX: 25-3856
;   INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 20 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-883-825-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCATTCT 1793
              ||:||:|| |  |||||: |
Db         20 TTYTTYTTCATNCCCATYTT 1


RESULT 2614
PCT-US92-03222-1/c
; Sequence 1, Application PC/TUS9203222
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/03222
;      FILING DATE:  19920420
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Noland, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
PCT-US92-03222-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   65.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    3;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCATTCT 1793
              ||:||:|| |  |||||: |
Db         20 TTYTTYTTCATNCCCATYTT 1


RESULT 2615
PCT-US94-06799-7
; Sequence 7, Application PC/TUS9406799
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  THERMODYNAMICS, DESIGN, AND USE OF
;    TITLE OF INVENTION:  NUCLEIC ACID SEQUENCES
;    NUMBER OF SEQUENCES:  8
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  ASCII text
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/06799
;      FILING DATE:  17-JUN-1994
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/224,840
;      FILING DATE:  8-APR-1994
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/078,759
;      FILING DATE:  17-JUN-1993
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul Louis Myers
;      REGISTRATION NUMBER:  35,965
;      REFERENCE/DOCKET NUMBER:  TMI-010PC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 227-7400
;      TELEFAX:  (617) 227-4951
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
PCT-US94-06799-7

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTT 1779
              |||||||||||||
Db          8 AAGCTTTTTTTTT 20


RESULT 2616
PCT-US94-06799-7/c
; Sequence 7, Application PC/TUS9406799
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  THERMODYNAMICS, DESIGN, AND USE OF
;    TITLE OF INVENTION:  NUCLEIC ACID SEQUENCES
;    NUMBER OF SEQUENCES:  8
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
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;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  ASCII text
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US94/06799
;       FILING DATE:  17-JUN-1994
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/224,840
;       FILING DATE:  8-APR-1994
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/078,759
;       FILING DATE:  17-JUN-1993
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Paul Louis Myers
;       REGISTRATION NUMBER:  35,965
;       REFERENCE/DOCKET NUMBER:  TMI-010PC
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (617) 227-7400
;       TELEFAX:  (617) 227-4951
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
PCT-US94-06799-7

  Query Match             0.5%;  Score 13;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       1767 AAGCTTTTTTTTT 1779
              |||||||||||||
Db         13 AAGCTTTTTTTTT 1


RESULT 2617
US-08-128-011-4/c
; Sequence 4, Application US/08128011
; Patent No. 5523389
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Wyatt, Jacqueline R.
;    APPLICANT:  Imbach, Jean Louis
;    TITLE OF INVENTION:  Inhibitors of Human Immunodeficiency
;    TITLE OF INVENTION:  Virus
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5523389ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/128,011
;      FILING DATE:
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gaumond, Rebecca R.
;      REGISTRATION NUMBER:  35,152
;      REFERENCE/DOCKET NUMBER:  ISIS-1161
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-128-011-4

  Query Match             0.5%;  Score 13;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         13 AAAAAAAAAAAAA 1


RESULT 2618
US-08-403-888A-142/c
; Sequence 142, Application US/08403888A
; Patent No. 5952490
;  GENERAL INFORMATION:
;    APPLICANT:  Hanecak et al.
;    TITLE OF INVENTION:  Oligonucleotides Having A Conserved G4 Core
;    TITLE OF INVENTION:  Sequence
;    NUMBER OF SEQUENCES:  146
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5952490ris LLP
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/403,888A
;      FILING DATE:  12-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/954,185
;      FILING DATE:  29-SEP-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul K. Legaard
;      REGISTRATION NUMBER:  38,534
;      REFERENCE/DOCKET NUMBER:  ISIS-1229
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  142:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-403-888A-142

  Query Match             0.5%;  Score 13;  DB 1;  Length 21;
  Best Local Similarity   100.0%;  Pred. No. 3.1e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         13 AAAAAAAAAAAAA 1


RESULT 2619
US-08-499-899-1/c
; Sequence 1, Application US/08499899
```

```
; Patent No. 5814445
;  GENERAL INFORMATION:
;    APPLICANT:  Belyavsky et al.
;    TITLE OF INVENTION:  Method Of Identification And
;    TITLE OF INVENTION:  Cloning Differentially Expressed
;    TITLE OF INVENTION:  Messenger RNAs
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WordPerfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/499,899
;      FILING DATE:  July 11, 1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  O'Dea, Sean W.
;      REGISTRATION NUMBER:  37690
;      REFERENCE/DOCKET NUMBER:  454-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-499-899-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 3.2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         22 AAAAAAAAAAAAA 10


RESULT 2620
US-08-964-143-1/c
; Sequence 1, Application US/08964143
; Patent No. 6120996
;  GENERAL INFORMATION:
;    APPLICANT:  Belyavsky et al.
;    TITLE OF INVENTION:  Method Of Identification And
;    TITLE OF INVENTION:  Cloning Differentially Expressed
;    TITLE OF INVENTION:  Messenger RNAs
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44 Mb storage
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WordPerfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/964,143
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/499,899
;      FILING DATE:  July 11, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  O'Dea, Sean W.
;      REGISTRATION NUMBER:  37690
;      REFERENCE/DOCKET NUMBER:  454-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-964-143-1

  Query Match             0.5%;  Score 13;  DB 1;  Length 22;
  Best Local Similarity   100.0%;  Pred. No. 3.2e+03;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||||||||||
Db         22 AAAAAAAAAAAAA 10


RESULT 2621
US-08-152-313-97
; Sequence 97, Application US/08152313
; Patent No. 5561041
;  GENERAL INFORMATION:
;    APPLICANT:  Sidransky, David
;    TITLE OF INVENTION:  NUCLEIC ACID MUTATION DETECTION BY
;    TITLE OF INVENTION:  ANALYSIS OF SPUTUM
;    NUMBER OF SEQUENCES:  128
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/152,313
;      FILING DATE:  12-NOV-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wetherell, Jr., Ph.D., John R.,
;      REGISTRATION NUMBER:  31,678
;      REFERENCE/DOCKET NUMBER:  PD-2912
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 455-5100
;      TELEFAX:  (619) 455-5110
;  INFORMATION FOR SEQ ID NO:  97:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..16
US-08-152-313-97

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
```

```
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        443 CCGGCGCCCACAGGCA 458
              |||||||||| ||| |
Db          1 CCGGCGCCCAGAGGAA 16


RESULT 2622
US-08-311-760A-374
; Sequence 374, Application US/08311760A
; Patent No. 5599706
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Newton, Roger S.
;    APPLICANT:  Ramharack, Randy
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF DISEASES
;    TITLE OF INVENTION:  OR CONDITIONS RELATED TO LEVELS OF
;    TITLE OF INVENTION:  PLASMA LIPOPROTEIN (a) [LP(a)] BY
;    TITLE OF INVENTION:  INHIBITING APOLIPOPROTEIN
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  392
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/311,760A
;      FILING DATE:  September 23, 1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/155
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  374:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-311-760A-374

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   75.0%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        503 GGGCTGCCCTCGCACC 518
              || |:||| :||||||
Db          1 GGACUGCCGUCGCACC 16


RESULT 2623
US-08-311-760A-382
; Sequence 382, Application US/08311760A
; Patent No. 5599706
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Newton, Roger S.
;    APPLICANT:  Ramharack, Randy
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF DISEASES
;    TITLE OF INVENTION:  OR CONDITIONS RELATED TO LEVELS OF
;    TITLE OF INVENTION:  PLASMA LIPOPROTEIN (a) [LP(a)] BY
;    TITLE OF INVENTION:  INHIBITING APOLIPOPROTEIN
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  392
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/311,760A
;      FILING DATE:  September 23, 1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/155
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  382:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-311-760A-382

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   75.0%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        503 GGGCTGCCCTCGCACC 518
              || |:||| :||||||
Db          1 GGACUGCCGUCGCACC 16


RESULT 2624
US-08-283-591-16/c
; Sequence 16, Application US/08283591
; Patent No. 5629152
;  GENERAL INFORMATION:
;    APPLICANT:  Ravikumar, Vasulinga
;    TITLE OF INVENTION:  NOVEL TRISUBSTITUTED  -LACTAMS AND
;    TITLE OF INVENTION:  OLIGO  -LACTAMAMIDES
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5629152ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
```

```
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/283,591
;      FILING DATE:  N/A
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:
;      REGISTRATION NUMBER:
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-283-591-16

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTTGAAC 1785
              ||||||||||| || |
Db         16 CTTTTTTTTTTGGATC 1


RESULT 2625
US-08-283-591-19
; Sequence 19, Application US/08283591
; Patent No. 5629152
;  GENERAL INFORMATION:
;    APPLICANT:  Ravikumar, Vasulinga
;    TITLE OF INVENTION:  NOVEL TRISUBSTITUTED  -LACTAMS AND
;    TITLE OF INVENTION:  OLIGO  -LACTAMAMIDES
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5629152ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/283,591
;      FILING DATE:  N/A
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:
;      REGISTRATION NUMBER:
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-283-591-19

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1976 TTGAAAAAAAGAAAAG 1991
              | || ||||||||||||
Db          1 TCGACAAAAAGAAAAG 16


RESULT 2626
US-08-283-591-25/c
; Sequence 25, Application US/08283591
; Patent No. 5629152
;  GENERAL INFORMATION:
;    APPLICANT:  Ravikumar, Vasulinga
;    TITLE OF INVENTION:  NOVEL TRISUBSTITUTED  -LACTAMS AND
;    TITLE OF INVENTION:  OLIGO  -LACTAMAMIDES
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and
;      ADDRESSEE:  No. 5629152ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/283,591
;      FILING DATE:  N/A
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:
;      REGISTRATION NUMBER:
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  unknown
US-08-283-591-25

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTTGAAC 1785
              ||||||||||| || |
Db         16 CTTTTTTTTTTGGATC 1


RESULT 2627
US-08-088-658-34/c
; Sequence 34, Application US/08088658
; Patent No. 5641625
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
```

```
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5641625ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/088,658
;      FILING DATE:  19930702
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/054,363
;      FILING DATE:  26-APRIL-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lucci, Joseph
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-1052
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-088-658-34

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTTGAAC 1785
              ||||||||||| || |
Db         16 CTTTTTTTTTTTGGATC 1


RESULT 2628
US-08-088-658-37
; Sequence 37, Application US/08088658
; Patent No. 5641625
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5641625ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/088,658
;      FILING DATE:  19930702
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/054,363
;      FILING DATE:  26-APRIL-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lucci, Joseph
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-1052
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  37:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-088-658-37

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1976 TTGAAAAAAAGAAAAG 1991
              | || ||||||||||||
Db          1 TCGACAAAAAGAAAAG 16


RESULT 2629
US-08-431-080-3
; Sequence 3, Application US/08431080
; Patent No. 5698686
;  GENERAL INFORMATION:
;    APPLICANT:  Gottschling, Daniel E.
;    APPLICANT:  Singer, Miriam S.
;    TITLE OF INVENTION:  Telomerase Compositions and Methods
;    NUMBER OF SEQUENCES:  32
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  TEXAS
;      COUNTRY:  UNITED STATES OF AMERICA
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS/ASCII
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/431,080
;      FILING DATE:  Concurrently Herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  SN 08/326,781
;      FILING DATE:  October 20, 1994
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parker, David L.
;      REGISTRATION NUMBER:  32,165
;      REFERENCE/DOCKET NUMBER:  ARCD:155/PAR
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512) 418-3000
;      TELEFAX:  (713) 789-2679
;      TELEX:  79-0924
;  INFORMATION FOR SEQ ID NO:  3:
```

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;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-431-080-3

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1852 CAACAGACCCACACAC 1867
                || .|| ||||||||||
Db          1 CACCACACCCACACAC 16


RESULT 2630
US-08-579-223-97
; Sequence 97, Application US/08579223
; Patent No. 5726019
;  GENERAL INFORMATION:
;    APPLICANT:  Sidransky, David
;    TITLE OF INVENTION:  NUCLEIC ACID MUTATION DETECTION BY
;    TITLE OF INVENTION:  ANALYSIS OF SPUTUM
;    NUMBER OF SEQUENCES:  128
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/579,223
;      FILING DATE:  28-DEC-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/152,313
;      FILING DATE:  12-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Wetherell, Jr., Ph.D., John R.,
;      REGISTRATION NUMBER:  31,678
;      REFERENCE/DOCKET NUMBER:  PD-2912
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 455-5100
;      TELEFAX:  (619) 455-5110
;  INFORMATION FOR SEQ ID NO:  97:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..16
US-08-579-223-97

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        443 CCGGCGCCCACAGGCA 458
              |||||||||| ||| |
Db          1 CCGGCGCCCAGAGGAA 16


RESULT 2631
US-08-590-571-38
; Sequence 38, Application US/08590571
; Patent No. 5861246
;  GENERAL INFORMATION:
;    APPLICANT:  Sherman Weissman and Girish N. Nallur
;    TITLE OF INVENTION:  MULTIPLE SELECTION PROCESS
;    NUMBER OF SEQUENCES:  66
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Yahwak & Associates
;      STREET:  25 Skytop Drive
;      CITY:  Trumbull
;      STATE:  Connecticut
;      COUNTRY:  USA
;      ZIP:  06611
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  floppy disk
;      COMPUTER:  Macintosh
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  Microsoft Word 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/590,571
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  George M. Yahwak
;      REGISTRATION NUMBER:  26,824
;      REFERENCE/DOCKET NUMBER:  Yale
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (203)268-1951
;      TELEFAX:  (203)268-1951
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-590-571-38

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        111 GGGGCTGGGGGGATCC 126
              |||| |||| ||||||
Db          1 GGGGATGGGCGGATCC 16


RESULT 2632
US-08-774-310-374
; Sequence 374, Application US/08774310
; Patent No. 5877022
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Daniel T.
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Newton, Roger S.
;    APPLICANT:  Ramharack, Randy
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF DISEASES
;    TITLE OF INVENTION:  OR CONDITIONS RELATED TO LEVELS OF
;    TITLE OF INVENTION:  PLASMA LIPOPROTEIN (a) [LP(a)] BY
;    TITLE OF INVENTION:  INHIBITING APOLIPOPROTEIN
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  392
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
```

```
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/774,310
;      FILING DATE:  December 23, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/311,760
;      FILING DATE:  September 23, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  223/229
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  374:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-774-310-374

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   75.0%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         503 GGGCTGCCCTCGCACC 518
               || |:||| :||||||
Db           1 GGACUGCCGUCGCACC 16


RESULT 2633
US-08-774-310-382
; Sequence 382, Application US/08774310
; Patent No. 5877022
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Daniel T.
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Newton, Roger S.
;    APPLICANT:  Ramharack, Randy
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF DISEASES
;    TITLE OF INVENTION:  OR CONDITIONS RELATED TO LEVELS OF
;    TITLE OF INVENTION:  PLASMA LIPOPROTEIN (a) [LP(a)] BY
;    TITLE OF INVENTION:  INHIBITING APOLIPOPROTEIN
;    TITLE OF INVENTION:
;    NUMBER OF SEQUENCES:  392
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/774,310
;      FILING DATE:  December 23, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/311,760
;      FILING DATE:  September 23, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  223/229
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  382:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-774-310-382

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   75.0%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         503 GGGCTGCCCTCGCACC 518
               || |:||| :||||||
Db           1 GGACUGCCGUCGCACC 16


RESULT 2634
US-08-938-534-3
; Sequence 3, Application US/08938534
; Patent No. 5916752
;  GENERAL INFORMATION:
;    APPLICANT:  Gottschling, Daniel E.
;    APPLICANT:  Singer, Miriam S.
;    TITLE OF INVENTION:  Telomerase Compositions and Methods
;    NUMBER OF SEQUENCES:  32
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  TEXAS
;      COUNTRY:  UNITED STATES OF AMERICA
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS/ASCII
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/938,534
;      FILING DATE:  26-SEP-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/431,080
;      FILING DATE:
;      APPLICATION NUMBER:  SN 08/326,781
;      FILING DATE:  October 20, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parker, David L.
;      REGISTRATION NUMBER:  32,165
;      REFERENCE/DOCKET NUMBER:  ARCD:155/PAR
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512) 418-3000
;      TELEFAX:  (713) 789-2679
;      TELEX:  79-0924
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-938-534-3

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        1852 CAACAGACCCACACAC 1867
```

```
                    || || ||||||||||
Db          1 CACCACACCCACACAC 16


RESULT 2635
US-08-656-906-2/c
; Sequence 2, Application US/08656906
; Patent No. 5972901
;  GENERAL INFORMATION:
;    APPLICANT:  Ferkol Jr., Thomas W.
;    APPLICANT:  Davis, Pamela B.
;    APPLICANT:  Ziady, Assem-Galal
;    TITLE OF INVENTION:  Serpin Enzyme Complex Receptor -
;    TITLE OF INVENTION:  Mediated Gene Transfer
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States Of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/656,906
;      FILING DATE:  03-JUN-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/
;      FILING DATE:  03-JUN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO WO 95/25809
;      FILING DATE:  23-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/216,534
;      FILING DATE:  23-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ingolia, Diane E.
;      REGISTRATION NUMBER:  40,027
;      REFERENCE/DOCKET NUMBER:  CASE-02280
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-656-906-2

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTT 2170
                ||||||||| ||| ||
Db         16 TTTTTTTCTTCTTCTT 1


RESULT 2636
US-08-471-907A-34/c
; Sequence 34, Application US/08471907A
; Patent No. 5986053
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5986053ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/471,907A
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/088,658
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lucci, Joseph
;      REGISTRATION NUMBER:  33,307
;      REFERENCE/DOCKET NUMBER:  ISIS-1052
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  215-568-3100
;      TELEFAX:  215-568-3439
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-471-907A-34

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTTGAAC 1785
                ||||||||||| || |
Db         16 CTTTTTTTTTTGGATC 1


RESULT 2637
US-08-471-907A-37
; Sequence 37, Application US/08471907A
; Patent No. 5986053
;  GENERAL INFORMATION:
;    APPLICANT:  Ecker, David J.
;    APPLICANT:  Buchardt, Ole
;    APPLICANT:  Egholm, Michael
;    APPLICANT:  Nielsen, Peter E.
;    APPLICANT:  Berg, Rolf H.
;    APPLICANT:  M llegaard, Niels E.
;    TITLE OF INVENTION:  HIGH ORDER STRUCTURE AND BINDING OF PEPTIDE
;    TITLE OF INVENTION:  NUCLEIC ACIDS
;    NUMBER OF SEQUENCES:  56
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz and No. 5986053ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
```

```
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/471,907A
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/088,658
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Lucci, Joseph
;       REGISTRATION NUMBER:  33,307
;       REFERENCE/DOCKET NUMBER:  ISIS-1052
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  215-568-3100
;       TELEFAX:  215-568-3439
;   INFORMATION FOR SEQ ID NO:  37:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  16
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-471-907A-37

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1976 TTGAAAAAAAGAAAAG 1991
              | || ||||||||||||
Db          1 TCGACAAAAAGAAAAG 16


RESULT 2638
US-08-906-691-25
; Sequence 25, Application US/08906691
; Patent No. 6066452
;  GENERAL INFORMATION:
;    APPLICANT:  Weissman, Sherman M.
;    APPLICANT:  Nallur, Girish N.
;    APPLICANT:  Kulkarni, Prakash
;    TITLE OF INVENTION:  MULTIPLEX SELECTION TECHNIQUE FOR
;    TITLE OF INVENTION:  IDENTIFYING PROTEIN-BINDING SITES FOR DNA-BINDING PROTEINS
;    NUMBER OF SEQUENCES:  50
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenu
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  981094
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/906,691
;      FILING DATE:  31-JUL-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 6066452tenburg Ph.D., Carol
;      REGISTRATION NUMBER:  39,317
;      REFERENCE/DOCKET NUMBER:  390036.403C1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-906-691-25

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        111 GGGGCTGGGGGGATCC 126
              |||| |||| ||||||
Db          1 GGGGATGGGCGGATCC 16


RESULT 2639
US-09-217-847-2/c
; Sequence 2, Application US/09217847
; Patent No. 6200801
;  GENERAL INFORMATION:
;    APPLICANT:  Perkol Jr., Thomas W.
;    APPLICANT:  Davis, Pamela B.
;    APPLICANT:  Ziady, Assem-Galal
;    TITLE OF INVENTION:  Serpin Enzyme Complex Receptor -
;    TITLE OF INVENTION:  Mediated Gene Transfer
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States Of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/217,847
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/656,906
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO WO 95/25809
;      FILING DATE:  23-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/216,534
;      FILING DATE:  23-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ingolia, Diane E.
;      REGISTRATION NUMBER:  40,027
;      REFERENCE/DOCKET NUMBER:  CASE-02280
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-217-847-2

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTT 2170
              ||||||||| ||| ||
Db         16 TTTTTTTCTTCTTCTT 1
```

```
RESULT 2640
US-08-088-661F-9/c
; Sequence 9, Application US/08088661F
; Patent No. 6228982
; GENERAL INFORMATION:
;  APPLICANT:  No. 6228982den, Benget
;  APPLICANT:  Wittung, Pernilla
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter E.
;  APPLICANT:  Berg, Rolf
;  TITLE OF INVENTION:  Double-Stranded Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1108
;  CURRENT APPLICATION NUMBER: US/08/088,661F
;  CURRENT FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/054,363
;  PRIOR FILING DATE:  1993-04-26
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-19
;  NUMBER OF SEQ ID NOS:  42
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 9
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6228982el Sequence
US-08-088-661F-9

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTTGAAC 1785
              ||||||||||| || |
Db         16 CTTTTTTTTTTGGATC 1


RESULT 2641
US-08-088-661F-32
; Sequence 32, Application US/08088661F
; Patent No. 6228982
; GENERAL INFORMATION:
;  APPLICANT:  No. 6228982den, Benget
;  APPLICANT:  Wittung, Pernilla
;  APPLICANT:  Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter E.
;  APPLICANT:  Berg, Rolf
;  TITLE OF INVENTION:  Double-Stranded Peptide Nucleic Acids
;  FILE REFERENCE:  ISIS1108
;  CURRENT APPLICATION NUMBER: US/08/088,661F
;  CURRENT FILING DATE:  1993-07-02
;  PRIOR APPLICATION NUMBER:  08/054,363
;  PRIOR FILING DATE:  1993-04-26
;  PRIOR APPLICATION NUMBER:  PCT/EP92/01219
;  PRIOR FILING DATE:  1992-05-19
;  NUMBER OF SEQ ID NOS:  42
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 32
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: No. 6228982el Sequence
US-08-088-661F-32

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1976 TTGAAAAAAAGAAAAG 1991
              | || ||||||||||||
Db          1 TCGACAAAAAGAAAAG 16


RESULT 2642
US-09-275-850-350/c
; Sequence 350, Application US/09275850A
; Patent No. 6261774
; GENERAL INFORMATION:
;  APPLICANT:  Pagratis, Nikos
;  APPLICANT:  Gold, Larry
;  APPLICANT:  Shtatland, Timur
;  APPLICANT:  Javornik, Brenda
;  TITLE OF INVENTION:  Truncation SELEX Method
;  FILE REFERENCE:  NEX 79
;  CURRENT APPLICATION NUMBER: US/09/275,850A
;  CURRENT FILING DATE:  1999-03-24
;  NUMBER OF SEQ ID NOS:  351
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 350
;   LENGTH: 16
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;   OTHER INFORMATION: Sequence
;   NAME/KEY: modified_base
;   LOCATION: (1)..(16)
;   OTHER INFORMATION: All pyrimidines are 2'-F
US-09-275-850-350

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1293 GCAGGCTCGCCCCAGT 1308
              |||| ||||||| |||
Db         16 GCAGACTCGCCCGAGT 1


RESULT 2643
US-08-150-156A-21/c
; Sequence 21, Application US/08150156A
; Patent No. 6357163
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  THE USE OF NUCLEIC ACID ANALOGUES IN
;    TITLE OF INVENTION:  DIAGNOSTICS AND ANALYTICAL PROCEDURES
;    NUMBER OF SEQUENCES:  40
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Wordperfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/150,156A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0986/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0987/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0510/92
;      FILING DATE:  15-APR-1992
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
```

```
;    ANTI-SENSE:  NO
;    PUBLICATION INFORMATION:
;      DOCUMENT NUMBER:  WO PCT/EP92/01220
;      FILING DATE:  22-MAY-1992
US-08-150-156A-21

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTTGAAC 1785
              ||||||||||| || | |
Db         16 CTTTTTTTTTTGGATC 1


RESULT 2644
US-08-150-156A-30
; Sequence 30, Application US/08150156A
; Patent No. 6357163
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  THE USE OF NUCLEIC ACID ANALOGUES IN
;    TITLE OF INVENTION:  DIAGNOSTICS AND ANALYTICAL PROCEDURES
;    NUMBER OF SEQUENCES:  40
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Wordperfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/150,156A
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0986/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0987/91
;      FILING DATE:  24-MAY-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0510/92
;      FILING DATE:  15-APR-1992
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    PUBLICATION INFORMATION:
;      DOCUMENT NUMBER:  WO PCT/EP92/01220
;      FILING DATE:  22-MAY-1992
US-08-150-156A-30

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1976 TTGAAAAAAAGAAAAG 1991
              | || ||||||||||||
Db          1 TCGACAAAAAGAAAAG 16


RESULT 2645
US-08-420-672-17
; Sequence 17, Application US/08420672
; Patent No. 6372427
;  GENERAL INFORMATION:
;    APPLICANT:  Kandimalla, Ekambar R.
;    APPLICANT:  Agrawal, Sudhir
;    TITLE OF INVENTION:  COOPERATIVE OLIGONUCLEOTIDES
;    NUMBER OF SEQUENCES:  24
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lappin & Kusmer
;      STREET:  200 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/420,672
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kerner, Ann-Louise
;      REGISTRATION NUMBER:  33,523
;      REFERENCE/DOCKET NUMBER:  HYZ-027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-330-1300
;      TELEFAX:  617-330-1311
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-420-672-17

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        511 CTCGCACCACGGGCGC 526
              |||||||| | |||||
Db          1 CTCGCACCCCCGGCGC 16


RESULT 2646
US-09-345-294-3
; Sequence 3, Application US/09345294
; Patent No. 6387619
;  GENERAL INFORMATION:
;       APPLICANT: Gottschling, Daniel E.
;                  Singer, Miriam S.
;       TITLE OF INVENTION: Telomerase Compositions and Methods
;       NUMBER OF SEQUENCES: 32
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Arnold, White & Durkee
;            STREET: P.O. Box 4433
;            CITY: Houston
;            STATE: TEXAS
;            COUNTRY: UNITED STATES OF AMERICA
;            ZIP: 77210
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/345,294
;            FILING DATE: 30-Jun-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/431,080
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Parker, David L.
```

```
;             REGISTRATION NUMBER: 32,165
;             REFERENCE/DOCKET NUMBER: ARCD:155/PAR
;       TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (512) 418-3000
;             TELEFAX: (713) 789-2679
;             TELEX: 79-0924
;   INFORMATION FOR SEQ ID NO: 3:
;       SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-345-294-3

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1852 CAACAGACCCACACAC 1867
              ||.|| ||||||||||
Db          1 CACCACACCCACACAC 16


RESULT 2647
US-08-108-591B-1/c
; Sequence 1, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-1

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1770 CTTTTTTTTTTTGAAC 1785
              |||||||||||  || |
Db         16 CTTTTTTTTTTGGATC 1


RESULT 2648
US-08-108-591B-30
; Sequence 30, Application US/08108591B
; Patent No. 6395474
; GENERAL INFORMATION:
;  APPLICANT: Buchardt, Ole
;  APPLICANT:  Egholm, Michael
;  APPLICANT:  Nielsen, Peter Eigil
;  APPLICANT:  Berg, Rolf Henrik
;  TITLE OF INVENTION: Peptide Nucleic Acids
;  FILE REFERENCE: ISIS0540
;  CURRENT APPLICATION NUMBER: US/08/108,591B
;  CURRENT FILING DATE:  2001-08-13
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 30
;   LENGTH: 16
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: No. 6395474el Sequence
US-08-108-591B-30

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1976 TTGAAAAAAAGAAAAG 1991
              | || ||||||||||
Db          1 TCGACAAAAAGAAAAG 16


RESULT 2649
US-09-371-772B-5738
; Sequence 5738, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5738
;   LENGTH: 16
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-5738

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   75.0%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2550 TTAAGAGGATGCTGGG 2565
              : |||||||:|| |||
Db          1 UGAAGAGGAUGCAGGG 16


RESULT 2650
PCT-US94-12947A-97
; Sequence 97, Application PC/TUS9412947A
;  GENERAL INFORMATION:
;    APPLICANT:  The Johns Hopkins University School of Medicine
;    TITLE OF INVENTION:  NUCLEIC ACID MUTATION DETECTION BY
;    TITLE OF INVENTION:  ANALYSIS OF SPUTUM
;    NUMBER OF SEQUENCES:  128
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Spensley Horn Jubas & Lubitz
;      STREET:  1880 Century Park East, Suite 500
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90067
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/12947A
```

```
;       FILING DATE:  10-NOV-1994
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Haile, Ph.D., Lisa A.
;       REGISTRATION NUMBER:  P-38,347
;       REFERENCE/DOCKET NUMBER:  FD-2912
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (619) 455-5100
;       TELEFAX:  (619) 455-5110
;   INFORMATION FOR SEQ ID NO:  97:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  16 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     FEATURE:
;       NAME/KEY:  CDS
;       LOCATION:  1..16
PCT-US94-12947A-97

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 16;
  Best Local Similarity   87.5%;  Pred. No. 1.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        443 CCGGCGCCCACAGGCA 458
              ||||||||||  ||| |
Db          1 CCGGCGCCCAGAGGAA 16


RESULT 2651
US-08-584-040-2555
; Sequence 2555, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2555:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2555

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   12.5%;  Pred. No. 2.2e+03;
  Matches    2;  Conservative   12;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2173 TTTTTTTTTTTTTAA 2188
              ::::::::::::  ||
Db          1 UUUUUUUUUUUUCCAA 16


RESULT 2652
US-09-371-772B-1079
; Sequence 1079, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions R
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1079
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1079

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   12.5%;  Pred. No. 2.2e+03;
  Matches    2;  Conservative   12;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2173 TTTTTTTTTTTTTAA 2188
              ::::::::::::  ||
Db          1 UUUUUUUUUUUUCCAA 16


RESULT 2653
US-09-474-432B-558/c
; Sequence 558, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka
;  APPLICANT:  Sweedler, David
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
;  FILE REFERENCE: MBHB00-831-B (247/276)
;  CURRENT APPLICATION NUMBER: US/09/474,432B
;  CURRENT FILING DATE:  1999-12-19
;  PRIOR APPLICATION NUMBER: US 60/064,866
;  PRIOR FILING DATE: 1997-11-05
```

```
;  PRIOR APPLICATION NUMBER: US 60/084,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: US 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: US 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  NUMBER OF SEQ ID NOS: 1526
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 558
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-474-432B-558

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||| |||| |||||||
Db         17 AAACAAAACAAAAAAA 2


RESULT 2654
US-09-474-432B-559/c
; Sequence 559, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka
;  APPLICANT:  Sweedler, David
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
;  FILE REFERENCE: MBHB00-831-B (247/276)
;  CURRENT APPLICATION NUMBER: US/09/474,432B
;  CURRENT FILING DATE:  1999-12-19
;  PRIOR APPLICATION NUMBER: US 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  PRIOR APPLICATION NUMBER: US 60/084,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: US 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: US 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  NUMBER OF SEQ ID NOS: 1526
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 559
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-474-432B-559

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||| |||| |||
Db         16 AAAAAAACAAAACAAA 1


RESULT 2655
US-09-476-387-557/c
; Sequence 557, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
;  FILE REFERENCE: MBHB00-831-C (249/073)
;  CURRENT APPLICATION NUMBER: US/09/476,387
;  CURRENT FILING DATE:  2001-04-04
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 557
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-476-387-557

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||| |||| |||||||
Db         17 AAACAAAACAAAAAAA 2


RESULT 2656
US-09-476-387-558/c
; Sequence 558, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
;  FILE REFERENCE: MBHB00-831-C (249/073)
;  CURRENT APPLICATION NUMBER: US/09/476,387
;  CURRENT FILING DATE:  2001-04-04
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 558
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-476-387-558

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||||| |||| |||
Db         16 AAAAAAACAAAACAAA 1
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RESULT 2657
US-09-827-998-483/c
; Sequence 483, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 483
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-483

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy       2163 TCCTTTTTTTTTTTTT 2178
              |·|||| |||||||||
Db         17 TTCTTTCTTTTTTTTT 2
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RESULT 2658
US-08-288-405A-12
; Sequence 12, Application US/08288405A
; Patent No. 5559009
; GENERAL INFORMATION:
; APPLICANT: Chandy, Kanianthara G.
; APPLICANT: Kalman, Katalin
; APPLICANT: Chandy, Grischa
; APPLICANT: Gutman, George A.
; TITLE OF INVENTION: A No. 5559009el Voltage-Gated Potassium Channel
; TITLE OF INVENTION: Gene
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert,
; ADDRESSEE: Attn: Walter H. Dreger
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: United States
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/288,405A
; FILING DATE: 10-AUG-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/207,431
; FILING DATE: 04-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Dreger, Walter H.
; REGISTRATION NUMBER: 24,190
; REFERENCE/DOCKET NUMBER: A-59844-1/WHD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
US-08-288-405A-12

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 82.4%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy         53 GGCGGGGGCGGCGGCAG 69
              ||| |||||||||| |
Db          1 GGCTGGGGCGGCGGNGG 17
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RESULT 2659
US-08-179-738-23
; Sequence 23, Application US/08179738
; Patent No. 5578462
; GENERAL INFORMATION:
; APPLICANT: Seizinger, Bernd R.
; APPLICANT: Kley, Nikolai A.
; APPLICANT: Bianchi, Albert B.
; TITLE OF INVENTION: No. 5578462el NF2 Isoforms
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Reed & Robins
; STREET: 635 Bryant Street
; CITY: Palo Alto
; STATE: California
; COUNTRY: U.S.A
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/179,738
; FILING DATE: 10-JAN-1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Robins, Roberta L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 5998-0017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 617-8999
; TELEFAX: (415) 327-3231
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-179-738-23

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy       1491 TGGAGAAAATGGAGAA 1506
              ||||| | ||||||||
Db          2 TGGAGTACATGGAGAA 17
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RESULT 2660
US-08-146-504-22/c
; Sequence 22, Application US/08146504
; Patent No. 5605662
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  SELF-ADDRESSABLE SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS AND
;    TITLE OF INVENTION:  DIAGNOSTICS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/146,504
;      FILING DATE:  No. 5605662ember 1, 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    none
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  203/218
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-146-504-22

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1490 CTGGAGAAAATGGAGA 1505
              |||||||| | |||||
Db         17 CTGGAGAAGAAGGAGA 2


RESULT 2661
US-08-390-850-602/c
; Sequence 602, Application US/08390850
; Patent No. 5612215
;  GENERAL INFORMATION:
;    APPLICANT:  Draper, Kenneth G.
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Gustofson, John
;    APPLICANT:  Stinchcomb, Dan T.
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR TREATMENT
;    TITLE OF INVENTION:  OF ARTHRITIC CONDITIONS
;    NUMBER OF SEQUENCES:  1151
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/390,850
;      FILING DATE:  February 17, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/354,920
;      FILING DATE:  December 13, 1994
;      APPLICATION NUMBER:  08/152,487
;      FILING DATE:  No. 5612215ember 12, 1993
;      APPLICATION NUMBER:  07/989,848
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  211/084
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  602:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-390-850-602

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1792 CTTTCCTTCTCTGAAA 1807
              |||||||| || ||||
Db         16 CTTTCCTTATCAGAAA 1


RESULT 2662
US-08-390-850-679
; Sequence 679, Application US/08390850
; Patent No. 5612215
;  GENERAL INFORMATION:
;    APPLICANT:  Draper, Kenneth G.
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Gustofson, John
;    APPLICANT:  Stinchcomb, Dan T.
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR TREATMENT
;    TITLE OF INVENTION:  OF ARTHRITIC CONDITIONS
;    NUMBER OF SEQUENCES:  1151
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
```

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;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/390,850
;      FILING DATE:  February 17, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/354,920
;      FILING DATE:  December 13, 1994
;      APPLICATION NUMBER:  08/152,487
;      FILING DATE:  No. 5612215ember 12, 1993
;      APPLICATION NUMBER:  07/989,848
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  211/084
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  679:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-390-850-679

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   50.0%;  Pred. No. 2.2e+03;
  Matches    8;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1989 AAGTGTGTATCTAGCT 2004
              || :|:|:|:|:| |:
Db          1 AACUGUGUAUCUAACU 16


RESULT 2663
US-07-976-103A-42
; Sequence 42, Application US/07976103A
; Patent No. 5645985
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/976,103A
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-07-976-103A-42

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTT 2170
              || ||| |||||||||
Db          2 TTCTTTCCTCCTTTTT 17


RESULT 2664
US-08-373-124A-518
; Sequence 518, Application US/08373124A
; Patent No. 5646042
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/373,124A
;      FILING DATE:  January 13, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  518:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-373-124A-518

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
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  Best Local Similarity   50.0%;  Pred. No. 2.2e+03;
  Matches    8;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1774 TTTTTTTTGAACCCCA 1789
              : ::::: ||||||||
Db          2 UGUUUUUAGAACCCCA 17


RESULT 2665
US-08-373-124A-2147
; Sequence 2147, Application US/08373124A
; Patent No. 5646042
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/373,124A
;      FILING DATE:  January 13, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2147:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-373-124A-2147

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 2.2e+03;
  Matches    1;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTT 2180
              |::::::: :::::: :
Db          2 CUUUUUUAUUUUUUAU 17


RESULT 2666
US-08-373-124A-2149
; Sequence 2149, Application US/08373124A
; Patent No. 5646042
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/373,124A
;      FILING DATE:  January 13, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2149:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-373-124A-2149

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 2.2e+03;
  Matches    1;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2172 TTTTTTTTTTTTTTA 2187
              :::::: :::::: : |
Db          1 UUUUUUAUUUUUUAUA 16


RESULT 2667
US-08-373-124A-2177/c
; Sequence 2177, Application US/08373124A
; Patent No. 5646042
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
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;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/373,124A
;      FILING DATE:  January 13, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2177:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-373-124A-2177

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1976 TTGAAAAAAAGAAAAG 1991
              |||| |||| ||||||
Db         16 TTGACAAAAGGAAAAG 1


RESULT 2668
US-08-435-634-602/c
; Sequence 602, Application US/08435634
; Patent No. 5731295
;  GENERAL INFORMATION:
;    APPLICANT:  Draper, Kenneth G.
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Gustofson, John
;    APPLICANT:  Stinchcomb, Dan T.
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR TREATMENT
;    TITLE OF INVENTION:  OF ARTHRITIC CONDITIONS
;    NUMBER OF SEQUENCES:  1151
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/435,634
;      FILING DATE:  05-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/390,850
;      FILING DATE:  February 17, 1995
;      APPLICATION NUMBER:  08/354,920
;      FILING DATE:  December 13, 1994
;      APPLICATION NUMBER:  08/152,487
;      FILING DATE:  No. 5731295ember 12, 1993
;      APPLICATION NUMBER:  07/989,848
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  211/084
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  602:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-435-634-602

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1792 CTTTCCTTCTCTGAAA 1807
              |||||||  || ||||
Db         16 CTTTCCTTATCAGAAA 1


RESULT 2669
US-08-435-634-679
; Sequence 679, Application US/08435634
; Patent No. 5731295
;  GENERAL INFORMATION:
;    APPLICANT:  Draper, Kenneth G.
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Gustofson, John
;    APPLICANT:  Stinchcomb, Dan T.
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR TREATMENT
;    TITLE OF INVENTION:  OF ARTHRITIC CONDITIONS
;    NUMBER OF SEQUENCES:  1151
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ Version 1.5
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,634
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/390,850
; FILING DATE: February 17, 1995
; APPLICATION NUMBER: 08/354,920
; FILING DATE: December 13, 1994
; APPLICATION NUMBER: 08/152,487
; FILING DATE: No. 5731295ember 12, 1993
; APPLICATION NUMBER: 07/989,848
; FILING DATE: December 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 211/084
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 679:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-435-634-679

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 2.2e+03;
Matches 8; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

Qy 1989 AAGTGTGTATCTAGCT 2004
|| :|:|:|:|:| |:
Db 1 AACUGUGUAUCUAACU 16

RESULT 2670
US-08-435-628-518
; Sequence 518, Application US/08435628
; Patent No. 5817796
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
; TITLE OF INVENTION: CANCER USING RIBOZYMES
; NUMBER OF SEQUENCES: 2627
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,628
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/373,124
; FILING DATE: January 13, 1995
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 08/192,943
; FILING DATE: February 7, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; APPLICATION NUMBER: 07/936,422
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/035
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 518:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-435-628-518

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 2.2e+03;
Matches 8; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

Qy 1774 TTTTTTTTGAACCCCA 1789
: ::::: ||||||||
Db 2 UGUUUUUAGAACCCCA 17

RESULT 2671
US-08-435-628-2147
; Sequence 2147, Application US/08435628
; Patent No. 5817796
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
; TITLE OF INVENTION: CANCER USING RIBOZYMES
; NUMBER OF SEQUENCES: 2627
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,628
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/373,124
; FILING DATE: January 13, 1995
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 08/192,943
; FILING DATE: February 7, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; APPLICATION NUMBER: 07/936,422

```
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2147:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-435-628-2147

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 2.2e+03;
  Matches    1;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTTTT 2180
              |:::::: :::::: :
Db          2 CUUUUUUAUUUUUUAU 17


RESULT 2672
US-08-435-628-2149
; Sequence 2149, Application US/08435628
; Patent No. 5817796
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/435,628
;      FILING DATE:  05-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/373,124
;      FILING DATE:  January 13, 1995
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2149:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-435-628-2149

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 2.2e+03;
  Matches    1;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2172 TTTTTTTTTTTTTTA 2187
              ::::::: ::::::: :|
Db          1 UUUUUUAUUUUUUAUA 16


RESULT 2673
US-08-435-628-2177/c
; Sequence 2177, Application US/08435628
; Patent No. 5817796
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/435,628
;      FILING DATE:  05-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/373,124
;      FILING DATE:  January 13, 1995
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2177:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
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;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-435-628-2177

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1976 TTGAAAAAAAGAAAAG 1991
              |||| |||| ||||||
Db         16 TTGACAAAAGGAAAAG 1


RESULT 2674
US-08-473-481-42
; Sequence 42, Application US/08473481
; Patent No. 5830653
;  GENERAL INFORMATION:
;    APPLICANT:  FROEHLER, BRIAN
;    APPLICANT:  WAGNER, RICK
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, ROBERT J.
;    APPLICANT:  GUTIERREZ, ARNOLD J.
;    APPLICANT:  PUDLO, JEFF
;    TITLE OF INVENTION:  ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
;    TITLE OF INVENTION:  FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GILEAD SCIENCES, INC.
;      STREET:  353 Lakeside Drive
;      CITY:  Foster City
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/473,481
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/976,103
;      FILING DATE:  25-NOV-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/965,941
;      FILING DATE:  23-OCT-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/338,352
;      FILING DATE:  14-NOV-1994
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/935,444
;      FILING DATE:  25-AUG-1992
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/799,824
;      FILING DATE:  26-NOV-1991
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MUENCHAU, DARYL D.
;      REGISTRATION NUMBER:  36,616
;      REFERENCE/DOCKET NUMBER:  162.3D
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 573-4712
;      TELEFAX:  (415) 573-4899
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-473-481-42

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTT 2170
              || ||| |||||||||
Db          2 TTCTTTCCTCCTTTTT 17


RESULT 2675
US-08-628-145-23
; Sequence 23, Application US/08628145
; Patent No. 5872214
;  GENERAL INFORMATION:
;    APPLICANT:  Seizinger, Bernd R.
;    APPLICANT:  Kley, Nikolai A.
;    APPLICANT:  Bianchi, Albert B.
;    TITLE OF INVENTION:  No. 5872214el NF2 Isoforms
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Reed & Robins
;      STREET:  635 Bryant Street
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  U.S.A
;      ZIP:  94301
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/628,145
;      FILING DATE:  04-APR-1996
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/179,738
;      FILING DATE:  10-JAN-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Robins, Roberta L.
;      REGISTRATION NUMBER:  33,208
;      REFERENCE/DOCKET NUMBER:  5998-0017
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 617-8999
;      TELEFAX:  (415) 327-3231
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-628-145-23

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1491 TGGAGAAAATGGAGAA 1506
              ||||| | ||||||||
Db          2 TGGAGTACATGGAGAA 17


RESULT 2676
US-08-725-976-22/c
; Sequence 22, Application US/08725976
```

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; Patent No. 5929208
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  METHODS FOR ELECTRONIC SYNTHESIS OF POLYMERS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  WINDOWS (VERSION 3.0)
;      SOFTWARE:  WordPerfect (Version 6.0)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/725,976
;      FILING DATE:  October 4, 1996
;      CLASSIFICATION:  422
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 5929208ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  222/211
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEFAX:  67-3510
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-725-976-22

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1490 CTGGAGAAAATGGAGA 1505
              ||||||||  | |||||
Db         17 CTGGAGAAGAAGGAGA 2


RESULT 2677
US-08-822-028-34/c
; Sequence 34, Application US/08822028
; Patent No. 5993813
;  GENERAL INFORMATION:
;    APPLICANT:  MEZES, PETER S
;    APPLICANT:  GOURLIE, BRIAN B
;    APPLICANT:  RIXON, MARK W
;    APPLICANT:  ANDERSON, WH KERR
;    APPLICANT:  KAPLAN, DONALD A
;    APPLICANT:  SCHOLOM, JEFFREY
;    TITLE OF INVENTION:  A NOVEL FAMILY OF HIGH AFFINITY,
;    TITLE OF INVENTION:  MODIFIED ANTIBODIES FOR CANCER TREATMENT
;    NUMBER OF SEQUENCES:  74
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DUANE C ULMER
;      STREET:  P.O. BOX 1967
;      CITY:  MIDLAND
;      STATE:  MICHIGAN
;      COUNTRY:  USA
;      ZIP:  48641-1967
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/822,028
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/040,687
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  ULMER, DUANE C
;      REGISTRATION NUMBER:  34,941
;      REFERENCE/DOCKET NUMBER:  C-37,075C
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (517) 636-8104
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-08-822-028-34

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        308 CACACTGGAGTCGCCG 323
              ||||||||||| | |
Db         16 CACACTGGAGTCCCTG 1


RESULT 2678
US-08-271-882B-22/c
; Sequence 22, Application US/08271882B
; Patent No. 6017696
;  GENERAL INFORMATION:
;    APPLICANT:  Michael J. Heller
;    APPLICANT:  Eugene Tu
;    APPLICANT:  Glen A. Evans
;    APPLICANT:  Ronald G. Sosnowski
;    TITLE OF INVENTION:  SELF-ADDRESSABLE
;    TITLE OF INVENTION:  SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND
;    TITLE OF INVENTION:  DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS
;    TITLE OF INVENTION:  AND DIAGNOSTICS
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,882B
;      FILING DATE:  July 7, 1994
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 6017696ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
```

```
;      REFERENCE/DOCKET NUMBER:  207/263
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17
;      TYPE:  nucleic
;      TYPE:  acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-271-882B-22

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1490 CTGGAGAAAATGGAGA 1505
              ||||||||  | |||||
Db         17 CTGGAGAAGAAGGAGA 2


RESULT 2679
US-08-985-162-425
; Sequence 425, Application US/08985162
; Patent No. 6057156
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/985,162
;      FILING DATE:  04 December 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  425:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-985-162-425

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 2.2e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        349 CCCTCCCTACCAGCAG 364
              |||:  |:||||||||
Db          1 CCCUGACUACCAGCAG 16


RESULT 2680
US-08-985-162-545
; Sequence 545, Application US/08985162
; Patent No. 6057156
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/985,162
;      FILING DATE:  04 December 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  545:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-985-162-545

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   56.2%;  Pred. No. 2.2e+03;
  Matches    9;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1653 CACTGGTTCTGCATCA 1668
              || :||::|:|| :||
Db          2 CAGUGGUUCUGCUUCA 17


RESULT 2681
US-08-985-162-546
; Sequence 546, Application US/08985162
; Patent No. 6057156
;  GENERAL INFORMATION:
```

```
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/985,162
;      FILING DATE:  04 December 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  546:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-985-162-546

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   56.2%;  Pred. No. 2.2e+03;
  Matches    9;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1653 CACTGGTTCTGCATCA 1668
                || :||::|:|| :||
Db          1 CAGUGGUUCUGCUUCA 16


RESULT 2682
US-08-985-162-661
; Sequence 661, Application US/08985162
; Patent No. 6057156
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/985,162
;      FILING DATE:  04 December 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  661:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-985-162-661

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   31.2%;  Pred. No. 2.2e+03;
  Matches    5;  Conservative    9;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTT 2168
                ||:  ::::|:||:::
Db          2 GAUAGUUUUCUCCUUU 17


RESULT 2683
US-08-985-162-663
; Sequence 663, Application US/08985162
; Patent No. 6057156
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/985,162
;      FILING DATE:  04 December 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/036,476
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;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  663:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-985-162-663

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   25.0%;  Pred. No. 2.2e+03;
  Matches    4;  Conservative   10;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2154 ATTTTTTTCTCCTTTT 2169
                |:  ::::|:||:::: 
Db          1 AUAGUUUUCUCCUUUU 16


RESULT 2684
US-08-894-731-5/c
; Sequence 5, Application US/08894731
; Patent No. 6084089
; GENERAL INFORMATION:
;  APPLICANT: MINE, Toshiki
;  APPLICANT: OHYAMA, Akio
;  APPLICANT: HIYOSHI, Toru
;  APPLICANT: KASAOKA, Keisuke
;  TITLE OF INVENTION: COLD-INDUCIBLE PROMOTER SEQUENCE
;  FILE REFERENCE: 760-234P
;  CURRENT APPLICATION NUMBER: US/08/894,731
;  CURRENT FILING DATE: 1997-10-27
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic
;   OTHER INFORMATION: Oligonucleotide
US-08-894-731-5

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTT 2170
                ||||| | ||||||||
Db         17 TTTTTATTTCCTTTTT 2


RESULT 2685
US-08-479-285-34/c
; Sequence 34, Application US/08479285
; Patent No. 6207815
;  GENERAL INFORMATION:
;    APPLICANT:  MEZES, PETER S
;    APPLICANT:  GOURLIE, BRIAN B
;    APPLICANT:  RIXON, MARK W
;    APPLICANT:  ANDERSON, WH KERR
;    APPLICANT:  KAPLAN, DONALD A
;    APPLICANT:  SCHOLOM, JEFFREY
;    TITLE OF INVENTION:  A NOVEL FAMILY OF HIGH AFFINITY,
;    TITLE OF INVENTION:  MODIFIED ANTIBODIES FOR CANCER TREATMENT
;    NUMBER OF SEQUENCES:  74
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  DUANE C ULMER
;      STREET:  P.O. BOX 1967
;      CITY:  MIDLAND
;      STATE:  MICHIGAN
;      COUNTRY:  USA
;      ZIP:  48641-1967
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,285
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/040687
;      FILING DATE:  31-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  ULMER, DUANE C
;      REGISTRATION NUMBER:  34,941
;      REFERENCE/DOCKET NUMBER:  C-37,075C
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (517) 636-8104
;  INFORMATION FOR SEQ ID NO:  34:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-08-479-285-34

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        308 CACACTGGAGTCGCCG 323
              |||||||||||| | |
Db         16 CACACTGGAGTCCCTG 1


RESULT 2686
US-08-726-278-22/c
; Sequence 22, Application US/08726278
; Patent No. 6238624
; GENERAL INFORMATION:
;  APPLICANT:  Heller, Michael J.
;  APPLICANT:  Tu, Eugene
;  APPLICANT:  Evans, Glen A.
;  APPLICANT:  Sosnowski, Ronald G.
;  TITLE OF INVENTION:  METHODS FOR ELECTRONIC TRANSPORT IN MOLECULAR
;  TITLE OF INVENTION:  BIOLOGICAL ANALYSIS AND DIAGNOSTICS
;  FILE REFERENCE:  DAVID B. MURPHY/NANOGEN:  222-210
;  CURRENT APPLICATION NUMBER: US/08/726,278
;  CURRENT FILING DATE:  1996-10-04
;  PRIOR APPLICATION NUMBER:  08/271,882
;  PRIOR FILING DATE:  1994-07-07
;  NUMBER OF SEQ ID NOS:  44
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 22
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Sequences for
;   OTHER INFORMATION: Labeling
US-08-726-278-22

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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Qy       1490 CTGGAGAAAATGGAGA 1505
              |||||||| | |||||
Db         17 CTGGAGAAGAAGGAGA 2


RESULT 2687
US-09-037-990B-75
; Sequence 75, Application US/09037990B
; Patent No. 6248519
;  GENERAL INFORMATION:
;       APPLICANT: ENGEL, Stacia R.
;                  DESCENZO, Richard A.
;                  MORENZONI, Richard A.
;                  IRELAN, Nancy A.
;       TITLE OF INVENTION: DETECTION OF FERMENTATION-RELATED
;                           MICROORGANISMS
;       NUMBER OF SEQUENCES: 100
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
;            STREET: 6300 Sears Tower, 233 South Wacker Drive
;            CITY: Chicago
;            STATE: Illinois
;            COUNTRY: United States of America
;            ZIP: 60606-6402
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/037,990B
;            FILING DATE: 11-Mar-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: <Unknown>
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Sharp, Jeffrey S.
;            REGISTRATION NUMBER: 31,879
;            REFERENCE/DOCKET NUMBER: 29520/30001
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 312/474-6300
;            TELEFAX: 312/474-0448
;            TELEX: <Unknown>
;  INFORMATION FOR SEQ ID NO: 75:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 17 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 75:
US-09-037-990B-75

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2551 TAAGAGGATGCTGGGC 2566
              | | ||||||||||||
Db          2 TTACAGGATGCTGGGC 17


RESULT 2688
US-08-584-040-1469/c
; Sequence 1469, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1469:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-1469

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        567 GCGCGGTGAGCGCCCG 582
              ||||  ||||||||||
Db         16 GCGCCCTGAGCGCCCG 1


RESULT 2689
US-08-584-040-1522
; Sequence 1522, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
```

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;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/584,040
;       FILING DATE:  January 11, 1996
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/005,974
;       FILING DATE:  October 26, 1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  218/064
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  1522:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-1522

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 2.2e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1406 AACTACATCAAAGAAG 1421
              | |:|| :||||||||
Db          2 ACCUACUUCAAAGAAG 17


RESULT 2690
US-08-584-040-1523
; Sequence 1523, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1523:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-1523

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 2.2e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1406 AACTACATCAAAGAAG 1421
              | |:|| :||||||||
Db          1 ACCUACUUCAAAGAAG 16


RESULT 2691
US-08-584-040-2204/c
; Sequence 2204, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2204:
;    SEQUENCE CHARACTERISTICS:
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;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2204

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1692 TTTCTCTAGCGCTGAG 1707
              ||||||||  | |||||
Db         16 TTTCTCTAACACTGAG 1


RESULT 2692
US-08-584-040-2233/c
; Sequence 2233, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2233:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2233

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1870 AGCCATTGAAATGTCA 1885
              ||||| |||||||  ||
Db         17 AGCCACTGAAATGGCA 2


RESULT 2693
US-08-584-040-2234/c
; Sequence 2234, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2234:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2234

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1870 AGCCATTGAAATGTCA 1885
              ||||| |||||||  ||
Db         16 AGCCACTGAAATGGCA 1


RESULT 2694
US-08-584-040-2518
; Sequence 2518, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
```

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;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2518:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2518

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   31.2%;  Pred. No. 2.2e+03;
  Matches    5;  Conservative    9;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1683 TCTTAGTTGTTTCTCT 1698
              :|:: |::|:: |:|:
Db          2 UCUUUGUUGUUCCUCU 17


RESULT 2695
US-08-584-040-2558/c
; Sequence 2558, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2558:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2558

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2780 GAATTGAAAAAAAAAA 2795
              || ||| ||||||||||
Db         16 GATTTGGAAAAAAAAA 1


RESULT 2696
US-08-584-040-3795/c
; Sequence 3795, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
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;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  3795:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-3795

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2687 AAATGGAGATTTGGAA 2702
              ||||||||||  || ||
Db         16 AAATGGAGATCTGTAA 1


RESULT 2697
US-08-584-040-4357
; Sequence 4357, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  4357:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-4357

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   50.0%;  Pred. No. 2.2e+03;
  Matches    8;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2477 AACTTTTAATGGTGAT 2492
              |||::::|| | :||:
Db          2 AACUUUUAAAGCUGAU 17


RESULT 2698
US-08-584-040-6032/c
; Sequence 6032, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  6032:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-6032

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1543 AGAGTAGGGAAGGAAC 1558
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                  ||||| |||||||||
Db          17 AGAGTCCGGAAGGAAC 2


RESULT 2699
US-08-584-040-7682/c
; Sequence 7682, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7682:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7682

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1277 ACACCCCATGGGACCA 1292
              |||| |||| ||||||
Db         17 ACACGCCATAGGACCA 2


RESULT 2700
US-08-584-040-7816
; Sequence 7816, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7816:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7816

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 2.2e+03;
  Matches    1;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTT 2178
              : |::::::: ::::::
Db          2 UGCUUUUUUGUUUUUU 17


RESULT 2701
US-08-584-040-7817
; Sequence 7817, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
```

```
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/584,040
;       FILING DATE:  January 11, 1996
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/005,974
;       FILING DATE:  October 26, 1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  218/064
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  7817:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-7817

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 2.2e+03;
  Matches    1;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTTT 2178
              : |:::::: ::::::
Db          1 UGCUUUUUUGUUUUUU 16


RESULT 2702
US-08-584-040-7820
; Sequence 7820, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7820:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7820

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 2.2e+03;
  Matches    0;  Conservative   14;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2181
              :::: :::::: ::::
Db          1 UUUUGUUUUUUGUUUU 16


RESULT 2703
US-08-584-040-7820/c
; Sequence 7820, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
```

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;  INFORMATION FOR SEQ ID NO:  7820:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7820

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              |||| |||||| ||||
Db         16 AAAACAAAAAACAAAA 1


RESULT 2704
US-08-584-040-7949
; Sequence 7949, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7949:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7949

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   50.0%;  Pred. No. 2.2e+03;
  Matches    8;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2522 TATTCATATATATACA 2537
              :|:: |:|:|:| |||
Db          2 UAUUAAUAUAUAGACA 17


RESULT 2705
US-08-679-645-706/c
; Sequence 706, Application US/08679645
; Patent No. 6350934
;  GENERAL INFORMATION:
;    APPLICANT:  Zwick, Michael G.
;    APPLICANT:  Edington, Brent E.
;    APPLICANT:  McSwiggen, James A.
;    APPLICANT:  Merlo, Patricia Ann Owens
;    APPLICANT:  Guo, Lining
;    APPLICANT:  Skokut, Thomas A.
;    APPLICANT:  Young, Scott A.
;    APPLICANT:  Folkerts, Otto
;    APPLICANT:  Merlo, Donald J.
;    TITLE OF INVENTION:  COMPOSITION AND METHODS FOR
;    TITLE OF INVENTION:  MODULATION OF GENE EXPRESSION
;    TITLE OF INVENTION:  IN PLANTS
;    NUMBER OF SEQUENCES:  1263
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/679,645
;      FILING DATE:  July 12, 1996
;      CLASSIFICATION:  800
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/001,135
;      FILING DATE:  July 13, 1995
;      APPLICATION NUMBER:  08/300,726
;      FILING DATE:  September 2, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  219/247
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  706:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-679-645-706

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        154 GACGCCGGACGCCATG 169
              |||| |||||| ||||
Db         16 GACGGCGGACGTCATG 1


RESULT 2706
US-08-679-645-720/c
```

; Sequence 720, Application US/08679645
; Patent No. 6350934
; GENERAL INFORMATION:
; APPLICANT: Zwick, Michael G.
; APPLICANT: Edington, Brent E.
; APPLICANT: McSwiggen, James A.
; APPLICANT: Merlo, Patricia Ann Owens
; APPLICANT: Guo, Lining
; APPLICANT: Skokut, Thomas A.
; APPLICANT: Young, Scott A.
; APPLICANT: Folkerts, Otto
; APPLICANT: Merlo, Donald J.
; TITLE OF INVENTION: COMPOSITION AND METHODS FOR
; TITLE OF INVENTION: MODULATION OF GENE EXPRESSION
; TITLE OF INVENTION: IN PLANTS
; NUMBER OF SEQUENCES: 1263
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/679,645
; FILING DATE: July 12, 1996
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/001,135
; FILING DATE: July 13, 1995
; APPLICATION NUMBER: 08/300,726
; FILING DATE: September 2, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/247
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 720:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-679-645-720

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1181 CTTGGAGGACGAAATG 1196
||||||||| |||||
Db 16 CTTGGAGGAGCAAATG 1

RESULT 2707
US-08-599-738A-42
; Sequence 42, Application US/08599738A
; Patent No. 6380368
; GENERAL INFORMATION:
; APPLICANT: FROEHLER, BRIAN
; APPLICANT: WAGNER, RICK
; APPLICANT: MATTEUCCI, MARK
; APPLICANT: JONES, ROBERT J.
; APPLICANT: GUTIERREZ, ARNOLD J.
; APPLICANT: PUDLO, JEFF
; TITLE OF INVENTION: ENHANCED TRIPLE-HELIX AND DOUBLE-HELIX
; TITLE OF INVENTION: FORMATION WITH OLIGOMERS CONTAINING MODIFIED PYRIMIDINES
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GILEAD SCIENCES, INC.
; STREET: 353 Lakeside Drive
; CITY: Foster City
; STATE: California
; COUNTRY: USA
; ZIP: 94404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/599,738A
; FILING DATE: 12-FEB-1996
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/473,481
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/976,103
; FILING DATE: 25-NOV-1992
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,941
; FILING DATE: 23-OCT-1992
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/338,352
; FILING DATE: 14-NOV-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/935,444
; FILING DATE: 25-AUG-1992
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/799,824
; FILING DATE: 26-NOV-1991
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: MUENCHAU, DARYL D.
; REGISTRATION NUMBER: 36,616
; REFERENCE/DOCKET NUMBER: 162.3D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 573-4712
; TELEFAX: (415) 573-4899
; TELEX:
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-599-738A-42

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2155 TTTTTTTCTCCTTTTT 2170
|| ||| |||||||||
Db 2 TTCTTTCCTCCTTTTT 17

RESULT 2708
US-09-479-122-32/c
; Sequence 32, Application US/09479122

```
; Patent No. 6410266
; GENERAL INFORMATION:
;  APPLICANT: HARRINGTON, JOHN J.
;  APPLICANT:  SHERF, BRUCE
;  APPLICANT:  RUNDLETT, STEPHEN
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
;  TITLE OF INVENTION:  ENDOGENOUS GENES
;  FILE REFERENCE: 0221-0003C
;  CURRENT APPLICATION NUMBER: US/09/479,122
;  CURRENT FILING DATE:  2000-01-07
;  PRIOR APPLICATION NUMBER: 09/276,820
;  PRIOR FILING DATE: 1999-03-26
;  PRIOR APPLICATION NUMBER: 09/159,643
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 08/941,223
;  PRIOR FILING DATE: 1997-09-26
;  PRIOR APPLICATION NUMBER: 09/263,814
;  PRIOR FILING DATE: 1999-03-08
;  PRIOR APPLICATION NUMBER: 09/253,022
;  PRIOR FILING DATE: 1999-02-19
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Vector
;   OTHER INFORMATION: Promoter
US-09-479-122-32

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1664 CATCACCCGCCCCTGG 1679
              ||||||| |||| |||
Db         17 CATCACCTGCCCATGG 2


RESULT 2709
US-09-220-510B-1
; Sequence 1, Application US/09220510B
; Patent No. 6440726
; GENERAL INFORMATION:
;  APPLICANT: RESNICK, NITZAN
;  TITLE OF INVENTION: EXPRESSION VECTORS COMPRISING MULTIPLE SHEAR STRESS
;  TITLE OF INVENTION:  RESPONSIVE ELEMENTS (SSRE) AND METHODS OF USE FOR
;  TITLE OF INVENTION:  TREATING DISORDERS RELATED TO VASCULOGENESIS AND/OR
;  TITLE OF INVENTION:  ANGIOGENESIS IN A SHEAR STRESS ENVIRONMENT
;  FILE REFERENCE: P-2771-US
;  CURRENT APPLICATION NUMBER: US/09/220,510B
;  CURRENT FILING DATE:  1998-12-24
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial sequence:
;   OTHER INFORMATION: A PDGF-A Shear Stress Response Element.
US-09-220-510B-1

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGG 66
              | |||||||||||  ||
Db          2 GGGGCGGGGGCGGGGG 17


RESULT 2710
US-09-343-698-2/c
; Sequence 2, Application US/09343698
; Patent No. 6475486
;  GENERAL INFORMATION:
;       APPLICANT: Seeman, Gerhard
;                  Bosslet, Klaus
;                  Czech, Joerg
;                  Kolar, Cenek
;                  Hoffman, Dieter
;                  Sedlacek, Hans-Harald
;       TITLE OF INVENTION: Glycosyl-Etoposide Prodrugs, A Process For
;                           Preparation Thereof And The Use Thereof In Combination With
;                           Functionalized Tumor-Specific Enzyme Conjugates
;       NUMBER OF SEQUENCES: 8
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
;                       Dunner
;            STREET: 1300 I Street, N.W., Suite 700
;            CITY: Washington
;            STATE: D.C.
;            COUNTRY: USA
;            ZIP: 20005
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/343,698
;            FILING DATE: 30-Jun-1999
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/325,955
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Ogden, Stasia L.
;            REGISTRATION NUMBER: 36,228
;            REFERENCE/DOCKET NUMBER: 05552.0981-04000
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 202-408-4000
;            TELEFAX: 202-408-4400
;   INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 17 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA (genomic)
;       SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-343-698-2

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGG 66
              || |||| ||||||||
Db         16 GCAGCGGCGGCGGCGG 1


RESULT 2711
US-09-108-006C-44
; Sequence 44, Application US/09108006C
; Patent No. 6524613
;  GENERAL INFORMATION:
;       APPLICANT: Steer, Clifford J.
;                  Kren, Betsy T.
;                  Bandyopadhyay, Paramita
;                  Roy-Chowdhury, Jayanta
;       TITLE OF INVENTION: Hepatocellular Chimeraplasty
;       NUMBER OF SEQUENCES: 62
;       CORRESPONDENCE ADDRESS:
```

```
;             ADDRESSEE: Kimeragen, Inc.
;             STREET: 300 Pheasant Run
;             CITY: Newtown
;             STATE: PA
;             COUNTRY: USA
;             ZIP: 18940
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/108,006C
;             FILING DATE: 30-Jun-1992
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 60/054,288
;             FILING DATE: 30-APR-1997
;             APPLICATION NUMBER: 60/054,837
;             FILING DATE: 05-AUG-1997
;             APPLICATION NUMBER: 60/064,996
;             FILING DATE: 10-NOV-1997
;             APPLICATION NUMBER: 60/074,497
;             FILING DATE: 12-FEB-1998
;             APPLICATION NUMBER: PCT US 98/08834
;             FILING DATE: 30-APR-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Friebel, Thomas
;             REGISTRATION NUMBER: 29258
;             REFERENCE/DOCKET NUMBER: 7991-015-999
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 215-504-4444
;             TELEFAX: 215-504-4545
;             TELEX: <Unknown>
;    INFORMATION FOR SEQ ID NO: 44:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 17 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: Other
;        SEQUENCE DESCRIPTION: SEQ ID NO: 44:
US-09-108-006C-44

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        797 AAGGAGCTGGTGGGGG 812
              |||||| | |||||||
Db          1 AAGGAGATAGTGGGGG 16


RESULT 2712
US-09-108-006C-45
; Sequence 45, Application US/09108006C
; Patent No. 6524613
;   GENERAL INFORMATION:
;        APPLICANT: Steer, Clifford J.
;                   Kren, Betsy T.
;                   Bandyopadhyay, Paramita
;                   Roy-Chowdhury, Jayanta
;        TITLE OF INVENTION: Hepatocellular Chimeraplasty
;        NUMBER OF SEQUENCES: 62
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Kimeragen, Inc.
;             STREET: 300 Pheasant Run
;             CITY: Newtown
;             STATE: PA
;             COUNTRY: USA
;             ZIP: 18940
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/108,006C
;             FILING DATE: 30-Jun-1992
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 60/054,288
;             FILING DATE: 30-APR-1997
;             APPLICATION NUMBER: 60/054,837
;             FILING DATE: 05-AUG-1997
;             APPLICATION NUMBER: 60/064,996
;             FILING DATE: 10-NOV-1997
;             APPLICATION NUMBER: 60/074,497
;             FILING DATE: 12-FEB-1998
;             APPLICATION NUMBER: PCT US 98/08834
;             FILING DATE: 30-APR-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Friebel, Thomas
;             REGISTRATION NUMBER: 29258
;             REFERENCE/DOCKET NUMBER: 7991-015-999
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 215-504-4444
;             TELEFAX: 215-504-4545
;             TELEX: <Unknown>
;    INFORMATION FOR SEQ ID NO: 45:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 17 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: Other
;        SEQUENCE DESCRIPTION: SEQ ID NO: 45:
US-09-108-006C-45

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        797 AAGGAGCTGGTGGGGG 812
              |||||| | |||||||
Db          1 AAGGAGATCGTGGGGG 16


RESULT 2713
US-09-108-006C-46
; Sequence 46, Application US/09108006C
; Patent No. 6524613
;   GENERAL INFORMATION:
;        APPLICANT: Steer, Clifford J.
;                   Kren, Betsy T.
;                   Bandyopadhyay, Paramita
;                   Roy-Chowdhury, Jayanta
;        TITLE OF INVENTION: Hepatocellular Chimeraplasty
;        NUMBER OF SEQUENCES: 62
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Kimeragen, Inc.
;             STREET: 300 Pheasant Run
;             CITY: Newtown
;             STATE: PA
;             COUNTRY: USA
;             ZIP: 18940
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/108,006C
;             FILING DATE: 30-Jun-1992
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
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;             APPLICATION NUMBER: 60/054,288
;             FILING DATE: 30-APR-1997
;             APPLICATION NUMBER: 60/054,837
;             FILING DATE: 05-AUG-1997
;             APPLICATION NUMBER: 60/064,996
;             FILING DATE: 10-NOV-1997
;             APPLICATION NUMBER: 60/074,497
;             FILING DATE: 12-FEB-1998
;             APPLICATION NUMBER: PCT US 98/08834
;             FILING DATE: 30-APR-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Friebel, Thomas
;             REGISTRATION NUMBER: 29258
;             REFERENCE/DOCKET NUMBER: 7991-015-999
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 215-504-4444
;             TELEFAX: 215-504-4545
;             TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 46:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 17 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: Other
;        SEQUENCE DESCRIPTION: SEQ ID NO: 46:
US-09-108-006C-46

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        797 AAGGAGCTGGTGGGGG 812
              |||||| | |||||||
Db          1 AAGGAGATAGTGGGGG 16


RESULT 2714
US-09-108-006C-47
; Sequence 47, Application US/09108006C
; Patent No. 6524613
;   GENERAL INFORMATION:
;        APPLICANT: Steer, Clifford J.
;                   Kren, Betsy T.
;                   Bandyopadhyay, Paramita
;                   Roy-Chowdhury, Jayanta
;        TITLE OF INVENTION: Hepatocellular Chimeraplasty
;        NUMBER OF SEQUENCES: 62
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Kimeragen, Inc.
;             STREET: 300 Pheasant Run
;             CITY: Newtown
;             STATE: PA
;             COUNTRY: USA
;             ZIP: 18940
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/108,006C
;             FILING DATE: 30-Jun-1992
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 60/054,288
;             FILING DATE: 30-APR-1997
;             APPLICATION NUMBER: 60/054,837
;             FILING DATE: 05-AUG-1997
;             APPLICATION NUMBER: 60/064,996
;             FILING DATE: 10-NOV-1997
;             APPLICATION NUMBER: 60/074,497
;             FILING DATE: 12-FEB-1998
;             APPLICATION NUMBER: PCT US 98/08834
;             FILING DATE: 30-APR-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Friebel, Thomas
;             REGISTRATION NUMBER: 29258
;             REFERENCE/DOCKET NUMBER: 7991-015-999
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 215-504-4444
;             TELEFAX: 215-504-4545
;             TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 47:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 17 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: Other
;        SEQUENCE DESCRIPTION: SEQ ID NO: 47:
US-09-108-006C-47

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        797 AAGGAGCTGGTGGGGG 812
              |||||| | |||||||
Db          1 AAGGAGATCGTGGGGG 16


RESULT 2715
US-09-108-006C-50
; Sequence 50, Application US/09108006C
; Patent No. 6524613
;   GENERAL INFORMATION:
;        APPLICANT: Steer, Clifford J.
;                   Kren, Betsy T.
;                   Bandyopadhyay, Paramita
;                   Roy-Chowdhury, Jayanta
;        TITLE OF INVENTION: Hepatocellular Chimeraplasty
;        NUMBER OF SEQUENCES: 62
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Kimeragen, Inc.
;             STREET: 300 Pheasant Run
;             CITY: Newtown
;             STATE: PA
;             COUNTRY: USA
;             ZIP: 18940
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Diskette
;             COMPUTER: IBM Compatible
;             OPERATING SYSTEM: DOS
;             SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/108,006C
;             FILING DATE: 30-Jun-1992
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 60/054,288
;             FILING DATE: 30-APR-1997
;             APPLICATION NUMBER: 60/054,837
;             FILING DATE: 05-AUG-1997
;             APPLICATION NUMBER: 60/064,996
;             FILING DATE: 10-NOV-1997
;             APPLICATION NUMBER: 60/074,497
;             FILING DATE: 12-FEB-1998
;             APPLICATION NUMBER: PCT US 98/08834
;             FILING DATE: 30-APR-1998
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Friebel, Thomas
;             REGISTRATION NUMBER: 29258
;             REFERENCE/DOCKET NUMBER: 7991-015-999
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 215-504-4444
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;            TELEFAX: 215-504-4545
;            TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 50:
;        SEQUENCE CHARACTERISTICS:
;            LENGTH: 17 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;        MOLECULE TYPE: Other
;        SEQUENCE DESCRIPTION: SEQ ID NO: 50:
US-09-108-006C-50

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        797 AAGGAGCTGGTGGGGG 812
              |||||| | |||||||
Db          1 AAGGAGATAGTGGGGG 16


RESULT 2716
US-09-108-006C-51
; Sequence 51, Application US/09108006C
; Patent No. 6524613
;   GENERAL INFORMATION:
;        APPLICANT: Steer, Clifford J.
;                   Kren, Betsy T.
;                   Bandyopadhyay, Paramita
;                   Roy-Chowdhury, Jayanta
;        TITLE OF INVENTION: Hepatocellular Chimeraplasty
;        NUMBER OF SEQUENCES: 62
;        CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Kimeragen, Inc.
;            STREET: 300 Pheasant Run
;            CITY: Newtown
;            STATE: PA
;            COUNTRY: USA
;            ZIP: 18940
;        COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: DOS
;            SOFTWARE: FastSEQ for Windows Version 2.0
;        CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/108,006C
;            FILING DATE: 30-Jun-1992
;            CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 60/054,288
;            FILING DATE: 30-APR-1997
;            APPLICATION NUMBER: 60/054,837
;            FILING DATE: 05-AUG-1997
;            APPLICATION NUMBER: 60/064,996
;            FILING DATE: 10-NOV-1997
;            APPLICATION NUMBER: 60/074,497
;            FILING DATE: 12-FEB-1998
;            APPLICATION NUMBER: PCT US 98/08834
;            FILING DATE: 30-APR-1998
;        ATTORNEY/AGENT INFORMATION:
;            NAME: Friebel, Thomas
;            REGISTRATION NUMBER: 29258
;            REFERENCE/DOCKET NUMBER: 7991-015-999
;        TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 215-504-4444
;            TELEFAX: 215-504-4545
;            TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 51:
;        SEQUENCE CHARACTERISTICS:
;            LENGTH: 17 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;        MOLECULE TYPE: Other
;        SEQUENCE DESCRIPTION: SEQ ID NO: 51:
US-09-108-006C-51

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        797 AAGGAGCTGGTGGGGG 812
              |||||| | |||||||
Db          1 AAGGAGATCGTGGGGG 16


RESULT 2717
US-09-484-997-32/c
; Sequence 32, Application US/09484997
; Patent No. 6524818
; GENERAL INFORMATION:
;  APPLICANT: HARRINGTON, JOHN J.
;  APPLICANT:  SHERF, BRUCE
;  APPLICANT:  RUNDLETT, STEPHEN
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
;  TITLE OF INVENTION:  ENDOGENOUS GENES
;  FILE REFERENCE: 0221-0003J
;  CURRENT APPLICATION NUMBER: US/09/484,997
;  CURRENT FILING DATE:  2000-01-18
;  PRIOR APPLICATION NUMBER: 09/276,820
;  PRIOR FILING DATE: 1999-03-26
;  PRIOR APPLICATION NUMBER: 09/159,643
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 08/941,223
;  PRIOR FILING DATE: 1997-09-26
;  PRIOR APPLICATION NUMBER: 09/263,814
;  PRIOR FILING DATE: 1999-03-08
;  PRIOR APPLICATION NUMBER: 09/253,022
;  PRIOR FILING DATE: 1999-02-19
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Vector
;   OTHER INFORMATION: Promoter
US-09-484-997-32

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1664 CATCACCCGCCCCTGG 1679
              ||||||| |||| |||
Db         17 CATCACCTGCCCATGG 2


RESULT 2718
US-09-481-355-32/c
; Sequence 32, Application US/09481355
; Patent No. 6524824
; GENERAL INFORMATION:
;  APPLICANT: HARRINGTON, JOHN J.
;  APPLICANT:  SHERF, BRUCE
;  APPLICANT:  RUNDLETT, STEPHEN
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
;  TITLE OF INVENTION:  ENDOGENOUS GENES
;  FILE REFERENCE: 0221-0003F
;  CURRENT APPLICATION NUMBER: US/09/481,355
;  CURRENT FILING DATE:  2000-01-12
;  PRIOR APPLICATION NUMBER: 09/276,820
;  PRIOR FILING DATE: 1999-03-26
;  PRIOR APPLICATION NUMBER: 09/159,643
;  PRIOR FILING DATE: 1998-09-24
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;  PRIOR APPLICATION NUMBER: 08/941,223
;  PRIOR FILING DATE: 1997-09-26
;  PRIOR APPLICATION NUMBER: 09/263,814
;  PRIOR FILING DATE: 1999-03-08
;  PRIOR APPLICATION NUMBER: 09/253,022
;  PRIOR FILING DATE: 1999-02-19
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Vector
;   OTHER INFORMATION: Promoter
US-09-481-355-32

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1664 CATCACCCGCCCCTGG 1679
              ||||||| |||| |||
Db         17 CATCACCTGCCCATGG 2


RESULT 2719
US-09-474-432B-312/c
; Sequence 312, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka
;  APPLICANT:  Sweedler, David
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
;  FILE REFERENCE: MBHB00-831-B (247/276)
;  CURRENT APPLICATION NUMBER: US/09/474,432B
;  CURRENT FILING DATE:  1999-12-19
;  PRIOR APPLICATION NUMBER: US 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  PRIOR APPLICATION NUMBER: US 60/084,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: US 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: US 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  NUMBER OF SEQ ID NOS: 1526
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 312
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-474-432B-312

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        496 GGGAGCGGGGCTGCCC 511
              ||| ||| ||||||||
Db         16 GGGCGCGCGGCTGCCC 1


RESULT 2720
US-09-474-432B-472
; Sequence 472, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka
;  APPLICANT:  Sweedler, David
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
;  FILE REFERENCE: MBHB00-831-B (247/276)
;  CURRENT APPLICATION NUMBER: US/09/474,432B
;  CURRENT FILING DATE:  1999-12-19
;  PRIOR APPLICATION NUMBER: US 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  PRIOR APPLICATION NUMBER: US 60/084,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: US 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: US 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  NUMBER OF SEQ ID NOS: 1526
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 472
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-474-432B-472

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   68.8%;  Pred. No. 2.2e+03;
  Matches   11;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        534 GCCTACTGCCCCACCT 549
              |||: |:|||| |||:
Db          2 GCCUGCUGCCCGACCU 17


RESULT 2721
US-09-474-432B-590/c
; Sequence 590, Application US/09474432B
; Patent No. 6528640
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Burgin, Alex
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka
;  APPLICANT:  Sweedler, David
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
;  FILE REFERENCE: MBHB00-831-B (247/276)
;  CURRENT APPLICATION NUMBER: US/09/474,432B
;  CURRENT FILING DATE:  1999-12-19
;  PRIOR APPLICATION NUMBER: US 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  PRIOR APPLICATION NUMBER: US 60/084,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: US 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: US 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  NUMBER OF SEQ ID NOS: 1526
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 590
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-474-432B-590

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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```
Qy        432 CCCTGCACCAGCCGGC 447
              |||||||||| | |||
Db         16 CCCTGCACCACCTGGC 1
```

RESULT 2722
US-09-481-282-32/c
; Sequence 32, Application US/09481282
; Patent No. 6541221
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERF, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
; TITLE OF INVENTION: ENDOGENOUS GENES
; FILE REFERENCE: 0221-0003US
; CURRENT APPLICATION NUMBER: US/09/481,282
; CURRENT FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Vector
; OTHER INFORMATION: Promoter
US-09-481-282-32

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1664 CATCACCCGCCCCTGG 1679
              ||||||| |||| |||
Db         17 CATCACCTGCCCATGG 2
```

RESULT 2723
US-09-371-772B-14/c
; Sequence 14, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-14

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy        567 GCGCGGTGAGCGCCCG 582
              |||| ||||||||||
Db         16 GCGCCCTGAGCGCCCG 1
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RESULT 2724
US-09-371-772B-67
; Sequence 67, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 67
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-67

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 2.2e+03;
Matches 12; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1406 AACTACATCAAAGAAG 1421
              | |:|| :|||||||||
Db          2 ACCUACUUCAAAGAAG 17
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RESULT 2725
US-09-371-772B-68
; Sequence 68, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 68
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-68

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  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 2.2e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1406 AACTACATCAAAGAAG 1421
              | |:|| :||||||||
Db          1 ACCUACUUCAAAGAAG 16


RESULT 2726
US-09-371-772B-749/c
; Sequence 749, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 749
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-749

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1692 TTTCTCTAGCGCTGAG 1707
              |||||||| | |||||
Db         16 TTTCTCTAACACTGAG 1


RESULT 2727
US-09-371-772B-778/c
; Sequence 778, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 778
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-778

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1870 AGCCATTGAAATGTCA 1885
              ||||| ||||||| ||
Db         17 AGCCACTGAAATGGCA 2


RESULT 2728
US-09-371-772B-779/c
; Sequence 779, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 779
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-779

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1870 AGCCATTGAAATGTCA 1885
              ||||| ||||||| ||
Db         16 AGCCACTGAAATGGCA 1


RESULT 2729
US-09-371-772B-1042
; Sequence 1042, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1042
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1042

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   31.2%;  Pred. No. 2.2e+03;
```

Matches 5; Conservative 9; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1683 TCTTAGTTGTTTCTCT 1698
              :|:: |::|:: |:|:
Db          2 UCUUUGUUGUUCCUCU 17
```

RESULT 2730
US-09-371-772B-1082/c
; Sequence 1082, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1082
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1082

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       2780 GAATTGAAAAAAAAAA 2795
              || ||| |||||||||
Db         16 GATTTGGAAAAAAAAA 1
```

RESULT 2731
US-09-371-772B-1562/c
; Sequence 1562, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1562
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1562

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       2687 AAATGGAGATTTGGAA 2702
              |||||||||| || ||
Db         16 AAATGGAGATCTGTAA 1
```

RESULT 2732
US-09-371-772B-2124
; Sequence 2124, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2124
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-2124

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 50.0%; Pred. No. 2.2e+03;
Matches 8; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

```
Qy       2477 AACTTTTAATGGTGAT 2492
              |||::::|| | :||:
Db          2 AACUUUUAAAGCUGAU 17
```

RESULT 2733
US-09-371-772B-2869/c
; Sequence 2869, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2869
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Mus sp.
US-09-371-772B-2869

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy       1543 AGAGTAGGGAAGGAAC 1558
              ||||| |||||||||
Db         17 AGAGTCCGGAAGGAAC 2


RESULT 2734
US-09-371-772B-3467/c
; Sequence 3467, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3467
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3467

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1277 ACACCCCATGGGACCA 1292
              |||| |||| ||||||
Db         17 ACACGCCATAGGACCA 2


RESULT 2735
US-09-371-772B-3600
; Sequence 3600, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3600
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3600

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 2.2e+03;
  Matches    1;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTT 2178
              : |::::: ::::::
Db          2 UGCUUUUUUGUUUUU 17


RESULT 2736
US-09-371-772B-3601
; Sequence 3601, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3601
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3601

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   6.2%;  Pred. No. 2.2e+03;
  Matches    1;  Conservative   13;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2163 TCCTTTTTTTTTTTT 2178
              : |::::: ::::::
Db          1 UGCUUUUUUGUUUUU 16


RESULT 2737
US-09-371-772B-3604
; Sequence 3604, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3604
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3604

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   0.0%;  Pred. No. 2.2e+03;
  Matches    0;  Conservative   14;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2181
              :::: :::::: ::::
```

```
Db          1 UUUUGUUUUUUGUUUU 16


RESULT 2738
US-09-371-772B-3604/c
; Sequence 3604, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3604
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3604

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              |||| |||||| ||||
Db         16 AAAACAAAAAACAAAA 1


RESULT 2739
US-09-371-772B-3732
; Sequence 3732, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3732
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3732

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   50.0%;  Pred. No. 2.2e+03;
  Matches    8;  Conservative    6;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2522 TATTCATATATATACA 2537
              :|:: |:|:|:| |||
Db          2 UAUUAAUAUAUAGACA 17


RESULT 2740
US-09-371-772B-4176
; Sequence 4176, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4176
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-4176

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   81.2%;  Pred. No. 2.2e+03;
  Matches   13;  Conservative    1;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        641 GCGGGCCTGGCCGAGA 656
              |||||||:||| | ||
Db          2 GCGGGCCUGGCGGCGA 17


RESULT 2741
US-09-371-772B-4182
; Sequence 4182, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4182
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-4182

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 2.2e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        550 CTCCGGGCTGGAGGCG 565
              |:|| |||:|||| ||
Db          1 CUCCUGGCUGGAGCCG 16
```

```
RESULT 2742
US-09-371-772B-4184/c
; Sequence 4184, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4184
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-4184

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        567 GCGCGGTGAGCGCCCG 582
              ||||  ||||||||||
Db         17 GCGCCCTGAGCGCCCG 2


RESULT 2743
US-09-371-772B-4186
; Sequence 4186, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4186
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-4186

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         54 GCGGGGGCGGCGGCAG 69
              ||||||  ||||||| |
Db          2 GCGGGGCCGGCGGCGG 17


RESULT 2744
US-09-371-772B-4188/c
; Sequence 4188, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4188
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-4188

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        478 CGGCCGCCAGAGCCAG 493
              ||||||||||||| | |
Db         17 CGGCCGCCAGAGTCCG 2


RESULT 2745
US-09-371-772B-4232/c
; Sequence 4232, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4232
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-4232

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1388 GCGGTGTCTGCCCTGC 1403
              || ||||||| |||||
Db         17 GCAGTGTCTGGCCTGC 2


RESULT 2746
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US-09-371-772B-5116/c
; Sequence 5116, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5116
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5116

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 463 GCAGCAGGCCTGGCCC 478
|| ||||| |||||||
Db 16 GCTGCAGGGCTGGCCC 1

RESULT 2747
US-09-371-772B-5263/c
; Sequence 5263, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5263
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-5263

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2677 TGTGTGGGTGAAATGG 2692
||||| |||||| |||
Db 17 TGTGTTGGTGAATTGG 2

RESULT 2748
US-09-371-772B-6813
; Sequence 6813, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: McSwiggen, Jim
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Escobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; FILE REFERENCE: MBHB00,876-J (237/198)
; CURRENT APPLICATION NUMBER: US/09/371,772B
; CURRENT FILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 6813
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-6813

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 2.2e+03;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 2554 GAGGATGCTGGGCTCT 2569
||||| |:|| |:|:
Db 1 GAGGAUUCUGGACUCU 16

RESULT 2749
US-09-455-659A-32/c
; Sequence 32, Application US/09455659A
; Patent No. 6602686
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERF, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
; TITLE OF INVENTION: ENDOGENOUS GENES
; FILE REFERENCE: 0221-0003A
; CURRENT APPLICATION NUMBER: US/09/455,659A
; CURRENT FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 09/276,820
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Vector
; OTHER INFORMATION: Promoter
US-09-455-659A-32

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1664 CATCACCCGCCCCTGG 1679

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                    ||||||| |||| |||
Db          17 CATCACCTGCCCATGG 2


RESULT 2750
US-08-325-955-2/c
; Sequence 2, Application US/08325955
; Patent No. 6610299
; GENERAL INFORMATION:
;    APPLICANT:  Seeman, Gerhard
;    APPLICANT:  Bosslet, Klaus
;    APPLICANT:  Czech, Joerg
;    APPLICANT:  Kolar, Cenek
;    APPLICANT:  Hoffman, Dieter
;    APPLICANT:  Sedlacek, Hans-Harald
;    TITLE OF INVENTION:  Glycosyl-Etoposide Prodrugs, A Process For
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Finnegan, Henderson, Farabow, Garrett &
;      ADDRESSEE:  Dunner
;      STREET:  1300 I Street, N.W., Suite 700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/325,955
;      FILING DATE:  19-OCT-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ogden, Stasia L.
;      REGISTRATION NUMBER:  36,228
;      REFERENCE/DOCKET NUMBER:  05552.0981-04000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-408-4000
;      TELEFAX:  202-408-4400
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-325-955-2

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGG 66
              || |||| ||||||||
Db         16 GCAGCGGCGGCGGCGG 1


RESULT 2751
US-09-476-387-311/c
; Sequence 311, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
;  FILE REFERENCE: MBHB00-831-C (249/073)
;  CURRENT APPLICATION NUMBER: US/09/476,387
;  CURRENT FILING DATE:  2001-04-04
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 311
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Homo sapiens
US-09-476-387-311

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        496 GGGAGCGGGGCTGCCC 511
              ||| ||| ||||||||
Db         16 GGGCGCGCGGCTGCCC 1


RESULT 2752
US-09-476-387-471
; Sequence 471, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
;  FILE REFERENCE: MBHB00-831-C (249/073)
;  CURRENT APPLICATION NUMBER: US/09/476,387
;  CURRENT FILING DATE:  2001-04-04
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 471
;    LENGTH: 17
;    TYPE: RNA
;    ORGANISM: Homo sapiens
US-09-476-387-471

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   68.8%;  Pred. No. 2.2e+03;
  Matches   11;  Conservative    3;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        534 GCCTACTGCCCCACCT 549
              ||| |:|||| |||:
Db          2 GCCUGCUGCCCGACCU 17


RESULT 2753
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US-09-476-387-589/c
; Sequence 589, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Beigelman, Leo
;  APPLICANT:  Beaudry, Amber
;  APPLICANT:  Karpeisky, Alex
;  APPLICANT:  Adamic, Jasenka Matulic
;  APPLICANT:  Sweedler, Dave
;  APPLICANT:  Zinnen, Shawn
;  TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
;  FILE REFERENCE: MBHB00-831-C (249/073)
;  CURRENT APPLICATION NUMBER: US/09/476,387
;  CURRENT FILING DATE:  2001-04-04
;  PRIOR APPLICATION NUMBER: 09/474,432
;  PRIOR FILING DATE: 1999-12-29
;  PRIOR APPLICATION NUMBER: 09/301,511
;  PRIOR FILING DATE: 1999-04-28
;  PRIOR APPLICATION NUMBER: 09/186,675
;  PRIOR FILING DATE: 1998-11-04
;  PRIOR APPLICATION NUMBER: 60/083,727
;  PRIOR FILING DATE: 1998-04-29
;  PRIOR APPLICATION NUMBER: 60/064,866
;  PRIOR FILING DATE: 1997-11-05
;  NUMBER OF SEQ ID NOS: 1524
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 589
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-476-387-589

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        432 CCCTGCACCAGCCGGC 447
              ||||||||||  | |||
Db         16 CCCTGCACCACCTGGC 1


RESULT 2754
US-09-484-996-32/c
; Sequence 32, Application US/09484996
; Patent No. 6623958
; GENERAL INFORMATION:
;  APPLICANT: HARRINGTON, JOHN J.
;  APPLICANT:  SHERF, BRUCE
;  APPLICANT:  RUNDLETT, STEPHEN
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
;  TITLE OF INVENTION:  ENDOGENOUS GENES
;  FILE REFERENCE: 0221-0003H
;  CURRENT APPLICATION NUMBER: US/09/484,996
;  CURRENT FILING DATE:  2000-01-18
;  PRIOR APPLICATION NUMBER: 09/276,820
;  PRIOR FILING DATE: 1999-03-26
;  PRIOR APPLICATION NUMBER: 09/263,814
;  PRIOR FILING DATE: 1998-03-08
;  PRIOR APPLICATION NUMBER: 09/253,022
;  PRIOR FILING DATE: 1999-02-19
;  PRIOR APPLICATION NUMBER: 09/159,643
;  PRIOR FILING DATE: 1998-09-24
;  PRIOR APPLICATION NUMBER: 08/941,223
;  PRIOR FILING DATE: 1997-09-26
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Vector
;   OTHER INFORMATION: Promoter
US-09-484-996-32

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1664 CATCACCCGCCCCTGG 1679
              ||||||| |||| |||
Db         17 CATCACCTGCCCATGG 2


RESULT 2755
US-09-401-063-425
; Sequence 425, Application US/09401063
; Patent No. 6623962
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/401,063
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/985,162
;      FILING DATE:  04 December 1997
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  425:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-401-063-425

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   75.0%;  Pred. No. 2.2e+03;
  Matches   12;  Conservative    2;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        349 CCCTCCCTACCAGCAG 364
              |||:  |:||||||||
Db          1 CCCUGACUACCAGCAG 16
```

```
RESULT 2756
US-09-401-063-545
; Sequence 545, Application US/09401063
; Patent No. 6623962
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/401,063
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/985,162
;      FILING DATE:  04 December 1997
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  545:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-401-063-545

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   56.2%;  Pred. No. 2.2e+03;
  Matches    9;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1653 CACTGGTTCTGCATCA 1668
              || :||::|:|| :||
Db          2 CAGUGGUUCUGCUUCA 17


RESULT 2757
US-09-401-063-546
; Sequence 546, Application US/09401063
; Patent No. 6623962
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/401,063
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/985,162
;      FILING DATE:  04 December 1997
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  546:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-401-063-546

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   56.2%;  Pred. No. 2.2e+03;
  Matches    9;  Conservative    5;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1653 CACTGGTTCTGCATCA 1668
              || :||::|:|| :||
Db          1 CAGUGGUUCUGCUUCA 16


RESULT 2758
US-09-401-063-661
; Sequence 661, Application US/09401063
; Patent No. 6623962
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
```

```
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  FastSEQ for Windows 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/401,063
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/985,162
;       FILING DATE:  04 December 1997
;       APPLICATION NUMBER:  60/036,476
;       FILING DATE:  31 January 1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  230/107
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213)  955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  661:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-401-063-661

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   31.2%;  Pred. No. 2.2e+03;
  Matches    5;  Conservative    9;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2153 GATTTTTTTCTCCTTT 2168
              ||:  ::::|:||:::
Db          2 GAUAGUUUUCUCCUUU 17


RESULT 2759
US-09-401-063-663
; Sequence 663, Application US/09401063
; Patent No. 6623962
;  GENERAL INFORMATION:
;    APPLICANT:  Akhtar, Saghir
;    APPLICANT:  Fell, Patricia
;    APPLICANT:  McSwiggen, James
;    TITLE OF INVENTION:  ENZYMATIC NUCLEIC ACID TREATMENT
;    TITLE OF INVENTION:  OF DISEASES OR CONDITIONS RELATED
;    TITLE OF INVENTION:  TO LEVELS OF EPIDERMAL GROWTH
;    TITLE OF INVENTION:  FACTOR RECEPTORS
;    NUMBER OF SEQUENCES:  1877
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  FastSEQ for Windows 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/401,063
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/985,162
;      FILING DATE:  04 December 1997
;      APPLICATION NUMBER:  60/036,476
;      FILING DATE:  31 January 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  230/107
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213)  955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  663:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-401-063-663

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   25.0%;  Pred. No. 2.2e+03;
  Matches    4;  Conservative   10;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2154 ATTTTTTTCTCCTTTT 2169
              |:  ::::|:||::::
Db          1 AUAGUUUUCUCCUUUU 16


RESULT 2760
US-09-503-653A-34/c
; Sequence 34, Application US/09503653A
; Patent No. 6641999
; GENERAL INFORMATION:
;  APPLICANT: Mezes, Peter S
;  APPLICANT:  Gourlie, Brian B
;  APPLICANT:  Rixon, Mark W
;  APPLICANT:  Anderson, WH Kerr
;  APPLICANT:  Kaplan, Donald A
;  APPLICANT:  Schlom, Jeffrey
;  TITLE OF INVENTION: Probing Method for Identifying Antibodies
;  TITLE OF INVENTION:  Specific for Selected Antigens
;  FILE REFERENCE: 37075H-CIP1
;  CURRENT APPLICATION NUMBER: US/09/503,653A
;  CURRENT FILING DATE:  2000-02-14
;  PRIOR APPLICATION NUMBER: US 08/040,687
;  PRIOR FILING DATE: 1993-03-31
;  PRIOR APPLICATION NUMBER: US 07/424,362
;  PRIOR FILING DATE: 1989-10-19
;  PRIOR APPLICATION NUMBER: US 07/261,942
;  PRIOR FILING DATE: 1988-10-24
;  PRIOR APPLICATION NUMBER: US 07/259,943
;  PRIOR FILING DATE: 1988-10-19
;  NUMBER OF SEQ ID NOS: 74
;  SOFTWARE: MICROSOFT Word 97 SR-2
; SEQ ID NO 34
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..17
;   OTHER INFORMATION: Oligo CC83 CDR2(-)
US-09-503-653A-34

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        308 CACACTGGAGTCGCCG 323
              ||||||||||||| | |
Db         16 CACACTGGAGTCCCTG 1


RESULT 2761
US-09-827-998-211/c
; Sequence 211, Application US/09827998
```

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; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 211
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-211

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2313 CAATTTGTTGCTGCTT 2328
                ||||||| |||| |||
Db         17 CAATTTGATGCTTCTT 2


RESULT 2762
US-09-827-998-213/c
; Sequence 213, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 213
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-213

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2312 GCAATTTGTTGCTGCT 2327
                ||||||| |||| ||
Db         16 GCAATTTGATGCTTCT 1


RESULT 2763
US-09-827-998-311
; Sequence 311, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 311
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-311

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1547 TAGGGAAGGAACAGGA 1562
                ||||||||||| | ||
Db          2 TAGGGAAGGAAGAAGA 17


RESULT 2764
US-09-827-998-312
; Sequence 312, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 312
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-312

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1547 TAGGGAAGGAACAGGA 1562
                ||||||||||| | ||
Db          1 TAGGGAAGGAAGAAGA 16


RESULT 2765
US-09-827-998-482
; Sequence 482, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
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; Patent No. 6656700
; SEQ ID NO 482
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-482

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2785 GAAAAAAAAAAAAAA 2800
||||||||||.|||.|
Db 2 GAAAAAAAAAGAAAGA 17

RESULT 2766
US-09-827-998-485
; Sequence 485, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 485
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-485

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAA 2801
|||||||.|||.|||
Db 1 AAAAAAAAGAAAGAAA 16

RESULT 2767
US-09-827-998-485/c
; Sequence 485, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 485
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-485

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTTTT 2181
|||.|||.|||||||
Db 16 TTTCTTTCTTTTTTT 1

RESULT 2768
US-09-827-998-1716
; Sequence 1716, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1716
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1716

Query Match 0.5%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.2e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2310 AAGCAATTTGTTGCTG 2325
||||.|.|||||||||
Db 2 AAGCCAGTTGTTGCTG 17

RESULT 2769
US-09-479-123-32/c
; Sequence 32, Application US/09479123
; Patent No. 6670185
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERF, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
; TITLE OF INVENTION: ENDOGENOUS GENES
; FILE REFERENCE: 0221-0003B
; CURRENT APPLICATION NUMBER: US/09/479,123
; CURRENT FILING DATE: 2000-01-07
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Vector
; OTHER INFORMATION: Promoter
US-09-479-123-32

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  Query Match           0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1664 CATCACCCGCCCCTGG 1679
              ||||||| |||| |||
Db         17 CATCACCTGCCCATGG 2


RESULT 2770
US-09-866-108A-905
; Sequence 905, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 905
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-905

  Query Match           0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2325 GCTTGTCACCCCCAAG 2340
              |||||  |||||||||
Db          2 GCTTGGGACCCCCAAG 17


RESULT 2771
US-09-866-108A-906
; Sequence 906, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 906
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-906

  Query Match           0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2325 GCTTGTCACCCCCAAG 2340
              |||||  |||||||||
Db          1 GCTTGGGACCCCCAAG 16


RESULT 2772
US-09-866-108A-1345/c
; Sequence 1345, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
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;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1345
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-1345

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1786 CCCATTCTTTCCTTCT 1801
              ||||| |||||||||
Db         17 CCCATCTTTTCCTTCT 2


RESULT 2773
US-09-866-108A-1347/c
; Sequence 1347, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1347
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-1347

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1785 CCCCATTCTTTCCTTC 1800
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Db         16 CCCCATCTTTTCCTTC 1


RESULT 2774
US-09-866-108A-1580/c
; Sequence 1580, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1580
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-1580

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1571 ATCCTTCTCCACCGCA 1586
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Db         17 ATCCTTCTCCAGAGCA 2


RESULT 2775
US-09-866-108A-1581/c
; Sequence 1581, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
```

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;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1581
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-1581

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1571 ATCCTTCTCCACCGCA 1586
              ||||||||||  |||
Db         16 ATCCTTCTCCAGAGCA 1


RESULT 2776
US-09-866-108A-1817
; Sequence 1817, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1817
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-1817

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1474 TGATTCTAACAAAACC 1489
              |||| || ||||||||
Db          2 TGATGCTGACAAAACC 17


RESULT 2777
US-09-866-108A-1818
; Sequence 1818, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 1818
;   LENGTH: 17
;   TYPE: DNA
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;   ORGANISM: Homo sapiens
US-09-866-108A-1818

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1474 TGATTCTAACAAAACC 1489
              |||| || ||||||||
Db          1 TGATGCTGACAAAACC 16


RESULT 2778
US-09-866-108A-2063/c
; Sequence 2063, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2063
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-2063

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1365 TTGGCAGCCAGGCCAT 1380
              | ||||| ||||||||
Db         16 TGGGCAGGCAGGCCAT 1


RESULT 2779
US-09-866-108A-2669
; Sequence 2669, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 2669
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-2669

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         44 CCCGCGCGCGGCGGGG 59
              || | ||||||||||||
Db          2 CCTGGGCGCGGCGGGG 17


RESULT 2780
US-09-866-108A-5937
; Sequence 5937, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
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;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 5937
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-5937

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        681 ACCAGATGGACGAGGT 696
              ||||| |||| |||||
Db          2 ACCAGCTGGAGGAGGT 17


RESULT 2781
US-09-866-108A-5940
; Sequence 5940, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 5940
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-5940

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        683 CAGATGGACGAGGTGC 698
              ||| |||| |||||||
Db          1 CAGCTGGAGGAGGTGC 16


RESULT 2782
US-09-866-108A-6082
; Sequence 6082, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 6082
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-6082

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1394 TCTGCCCTGCAGAACT 1409
              |||||||||| || ||
Db          2 TCTGCCCTGCGGACCT 17


RESULT 2783
US-09-866-108A-6083
; Sequence 6083, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
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;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 6083
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-6083

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1394 TCTGCCCTGCAGAACT 1409
              ||||||||||  || ||
Db          1 TCTGCCCTGCGGACCT 16


RESULT 2784
US-09-866-108A-7641/c
; Sequence 7641, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7641
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7641

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1686 TAGTTGTTTCTCTAGC 1701
              | |||| |||||||||
Db         17 TTGTTGGTTCTCTAGC 2


RESULT 2785
US-09-866-108A-7644/c
; Sequence 7644, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7644
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;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7644

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1684 CTTAGTTGTTTCTCTA 1699
              ||| |||| |||||||
Db         16 CTTTGTTGGTTCTCTA 1


RESULT 2786
US-09-866-108A-7696
; Sequence 7696, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7696
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7696

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        605 GACCTGCTGCTGCCCC 620
              ||||||| |||| |||
Db          2 GACCTGCAGCTGGCCC 17


RESULT 2787
US-09-866-108A-7698
; Sequence 7698, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7698
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7698

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        357 ACCAGCAGCTGGCCTA 372
              ||| |||||||||| |
Db          1 ACCTGCAGCTGGCCCA 16


RESULT 2788
US-09-866-108A-7957
; Sequence 7957, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
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;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7957
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7957

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1895 GCCCTAGATCAACAGA 1910
             ||||| || |||||||
Db          2 GCCCTTGAGCAACAGA 17


RESULT 2789
US-09-866-108A-7958
; Sequence 7958, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7958
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7958

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1895 GCCCTAGATCAACAGA 1910
             ||||| || |||||||
Db          1 GCCCTTGAGCAACAGA 16


RESULT 2790
US-09-866-108A-7977
; Sequence 7977, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7977
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7977

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        484 CCAGAGCCAGGAGGGA 499
              |||||||||| ||| |
Db          2 CCAGAGCCAGCAGGAA 17


RESULT 2791
US-09-866-108A-7978
; Sequence 7978, Application US/09866108A
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; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 7978
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-7978

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        484 CCAGAGCCAGGAGGGA 499
              ||||||||||  ||| |
Db          1 CCAGAGCCAGCAGGAA 16


RESULT 2792
US-09-866-108A-9187
; Sequence 9187, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 9187
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-9187

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1187 GGACGAAATGAGATGG 1202
              || ||||| |||||||
Db          2 GGCCGAAAAGAGATGG 17


RESULT 2793
US-09-866-108A-9188
; Sequence 9188, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
```

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; Patent No. 6686188
; SEQ ID NO 9188
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-9188

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1187 GGACGAAATGAGATGG 1202
              || ||||| |||||||
Db          1 GGCCGAAAAGAGATGG 16


RESULT 2794
US-09-866-108A-9303
; Sequence 9303, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No: 6686188
; SEQ ID NO 9303
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-9303

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        452 ACAGGCAGCCAGCAGC 467
              |||| |||||| ||||
Db          2 ACAGTCAGCCACCAGC 17


RESULT 2795
US-09-866-108A-9306
; Sequence 9306, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 9306
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-9306

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        454 AGGCAGCCAGCAGCAG 469
              || |||||| ||||||
Db          1 AGTCAGCCACCAGCAG 16


RESULT 2796
US-09-866-108A-10657
; Sequence 10657, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
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;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10657
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10657

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        476 CCCGGCCGCCAGAGCC 491
              ||||| |||||||||
Db          2 CCCGGTGGCCAGAGCC 17


RESULT 2797
US-09-866-108A-10660
; Sequence 10660, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10660
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10660

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        478 CGGCCGCCAGAGCCAG 493
              |||  ||||||||||
Db          1 CGGTGGCCAGAGCCAG 16


RESULT 2798
US-09-866-108A-10665
; Sequence 10665, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10665
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10665

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        450 CCACAGGCAGCCAGCA 465
              ||| || |||||||||
Db          2 CCAGAGCCAGCCAGCA 17


RESULT 2799
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US-09-866-108A-10666
; Sequence 10666, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
;  APPLICANT: GU, Yizhong
;  APPLICANT:  JI, Yonggang
;  APPLICANT:  PENN, Sharron G.
;  APPLICANT:  HANZEL, David K.
;  APPLICANT:  RANK, David R.
;  APPLICANT:  CHEN, Wensheng
;  APPLICANT:  SHANNON, Mark
;  TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
;  FILE REFERENCE: AEOMICA-7
;  CURRENT APPLICATION NUMBER: US/09/866,108A
;  CURRENT FILING DATE:  2001-05-25
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: GB 24263.6
;  PRIOR FILING DATE: 2000-10-04
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  PRIOR APPLICATION NUMBER: PCT/US01/00666
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00667
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00664
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00669
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00665
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00668
;  PRIOR FILING DATE: 2001-01-30
;  PRIOR APPLICATION NUMBER: PCT/US01/00663
;  PRIOR FILING DATE: 2001-01-30
;  Remaining Prior Application data removed - See File Wrapper or PALM.
;  NUMBER OF SEQ ID NOS: 15755
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6686188
; SEQ ID NO 10666
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-866-108A-10666

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        450 CCACAGGCAGCCAGCA 465
              ||| || |||||||||
Db          1 CCAGAGCCAGCCAGCA 16


RESULT 2800
5451505-4
;Patent No. 5451505
;    APPLICANT: DOLLINGER, GAVIN D.
;    TITLE OF INVENTION: METHODS FOR TAGGING AND TRACING
;MATERIALS WITH NUCLEIC ACIDS
;    NUMBER OF SEQUENCES: 4
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/887,424
;      FILING DATE: 21-MAY-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 355,445
;      FILING DATE: 22-MAY-1989
;SEQ ID NO:4:
;      LENGTH: 17
5451505-4

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 17;
  Best Local Similarity   87.5%;  Pred. No. 2.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1490 CTGGAGAAAATGGAGA 1505
              |||||||| | |||||
Db          1 CTGGAGAAGAAGGAGA 16


RESULT 2801
US-09-106-038A-22
; Sequence 22, Application US/09106038A
; Patent No. 6007995
;  GENERAL INFORMATION:
;    APPLICANT:  Brenda F. Baker and Lex M. Cowsert
;    TITLE OF INVENTION:  ANTISENSE MODULATION OF TNFR1
;    TITLE OF INVENTION:  EXPRESSION
;    NUMBER OF SEQUENCES:  91
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Isis Pharmaceuticals, Inc.
;      STREET:  2292 Faraday Avenue
;      CITY:  Carlsbad
;      STATE:  CA
;      COUNTRY:  U.S.A.
;      ZIP:  92008
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch disk, 1.44 Mb
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  Windows NT
;      SOFTWARE:  Microsoft Word 97
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/106,038A
;      FILING DATE:  June 26, 1998
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Laurel Spear Bernstein
;      REGISTRATION NUMBER:  37,280
;      REFERENCE/DOCKET NUMBER:  RTS-0004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (760) 931-9200
;      TELEFAX:  (760) 603-3820
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-106-038A-22

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        461 CAGCAGCAGGCCTGGC 476
              |||||||||| | |||
Db          2 CAGCAGCAGGTCAGGC 17


RESULT 2802
US-08-146-504-8
; Sequence 8, Application US/08146504
; Patent No. 5605662
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  SELF-ADDRESSABLE SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS AND
;    TITLE OF INVENTION:  DIAGNOSTICS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
```

; ZIP: 90017
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM compatible
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.0)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/146,504
; FILING DATE: No. 5605662ember 1, 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION DATA: including application
; PRIOR APPLICATION DATA: described below: none
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 203/218
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-146-504-8

Query Match 0.5%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.5e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1490 CTGGAGAAAATGGAGA 1505
|||||||| | |||||
Db 1 CTGGAGAAGAAGGAGA 16

RESULT 2803
US-08-242-403A-42/c
; Sequence 42, Application US/08242403A
; Patent No. 5631130
; GENERAL INFORMATION:
; APPLICANT: Leckie, G. W.
; APPLICANT: Davis, A. H.
; APPLICANT: Semple-Facey, I. E.
; APPLICANT: Manlove, M. T.
; APPLICANT: Solomon, N. A.
; TITLE OF INVENTION: Materials and Methods for the Detection of
; TITLE OF INVENTION: Mycobacteria tuberculosis
; NUMBER OF SEQUENCES: 76
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Abbott Laboratories
; STREET: One Abbott Park Road
; CITY: Abbott Park
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PCDOS/MSDOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/242,403A
; FILING DATE: May 13, 1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Thomas D. Brainard
; REGISTRATION NUMBER: 32,459
; REFERENCE/DOCKET NUMBER: 5370.US.01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 708/937-4884
; TELEFAX: 708/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Synthetic DNA
US-08-242-403A-42

Query Match 0.5%; Score 12.8; DB 1; Length 18;
Best Local Similarity 87.5%; Pred. No. 2.5e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1394 TCTGCCCTGCAGAACT 1409
||| |||||||| |||
Db 18 TCTCCCCTGCAGTACT 3

RESULT 2804
US-08-411-796-273/c
; Sequence 273, Application US/08411796
; Patent No. 5677149
; GENERAL INFORMATION:
; APPLICANT: Abrams, Mark A.
; APPLICANT: Bauer, S. C.
; APPLICANT: Braford-Goldberg, Sarah R.
; APPLICANT: Caparon, Maire H.
; APPLICANT: Easton, Alan M.
; APPLICANT: Klein, Barbara K.
; APPLICANT: McKearn, John P.
; APPLICANT: Olins, Peter O.
; APPLICANT: Paik, Kumnan
; APPLICANT: Polazzi, Joseph O.
; APPLICANT: Thomas, John W.
; TITLE OF INVENTION: Interleukin-3 (IL-3) Mutant Polypeptides
; NUMBER OF SEQUENCES: 549
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.,
; ADDRESSEE: Corporate Patent Dept.
; STREET: P. O. Box 5110
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60680
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/411,796
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981044
; FILING DATE: 24-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/11198
; FILING DATE: 22-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Bennett, Dennis A.
; REGISTRATION NUMBER: 34,547
; REFERENCE/DOCKET NUMBER: C2713/1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (708)470-6501
; TELEFAX: (708)470-6881
; INFORMATION FOR SEQ ID NO: 273:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs

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;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
US-08-411-796-273

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        758 ATTTCCATGACCAAGA 773
              ||||| | ||||||||
Db         17 ATTTCGAAGACCAAGA 2


RESULT 2805
US-08-774-128-42/c
; Sequence 42, Application US/08774128
; Patent No. 5786149
;  GENERAL INFORMATION:
;    APPLICANT:  Leckie, G. W.
;    APPLICANT:  Davis, A. H.
;    APPLICANT:  Semple-Facey, I. E.
;    APPLICANT:  Manlove, M. T.
;    APPLICANT:  Solomon, N. A.
;    TITLE OF INVENTION:  Materials and Methods for the Detection of
;    TITLE OF INVENTION:  Mycobacteria tuberculosis
;    NUMBER OF SEQUENCES:  76
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  One Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PCDOS/MSDOS
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/774,128
;      FILING DATE:  23-DEC-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/242,403
;      FILING DATE:  May 13, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thomas D. Brainard
;      REGISTRATION NUMBER:  32,459
;      REFERENCE/DOCKET NUMBER:  5370.US.01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  708/937-4884
;      TELEFAX:  708/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Synthetic DNA
US-08-774-128-42

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1394 TCTGCCCTGCAGAACT 1409
              ||| |||||||| |||
Db         18 TCTCCCCTGCAGTACT 3


RESULT 2806
US-08-459-568-15
; Sequence 15, Application US/08459568
; Patent No. 5811304
;  GENERAL INFORMATION:
;    APPLICANT:  Huang, Shi
;    TITLE OF INVENTION:  Retinoblastoma Protein - Interacting
;    TITLE OF INVENTION:  Zinc Finger Proteins
;    NUMBER OF SEQUENCES:  93
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell and Flores
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/459,568
;      FILING DATE:  02-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/399,411
;      FILING DATE:  06-MAR-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LJ 1264
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-459-568-15

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1576 TCTCCACCGCACAGAC 1591
              ||||||| |||||| |
Db          1 TCTCCACAGCACAGCC 16


RESULT 2807
US-08-399-411-15
; Sequence 15, Application US/08399411
; Patent No. 5831008
;  GENERAL INFORMATION:
;    APPLICANT:  Huang, Shi
;    TITLE OF INVENTION:  Retinoblastoma Protein - Interacting
;    TITLE OF INVENTION:  Zinc Finger Proteins
;    NUMBER OF SEQUENCES:  93
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell and Flores
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
```

```
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/399,411
;      FILING DATE:  06-MAR-1995
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LJ 1264
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-399-411-15

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1576 TCTCCACCGCACAGAC 1591
              ||||||| |||||| |
Db          1 TCTCCACAGCACAGCC 16


RESULT 2808
US-08-634-350-21/c
; Sequence 21, Application US/08634350
; Patent No. 5911982
;  GENERAL INFORMATION:
;    APPLICANT:  Chao, Yu-Chan
;    TITLE OF INVENTION:  Hz-1 VIRUS PERSISTENCE-ASSOCIATED
;    TITLE OF INVENTION:  GENE 1(pag1) PROMOTER, USES
;    TITLE OF INVENTION:  THEREFOR, AND COMPOSITIONS
;    TITLE OF INVENTION:  CONTAINING SAME OR PRODUCTS
;    TITLE OF INVENTION:  THEREFROM
;    NUMBER OF SEQUENCES:  25
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Curtis, Morris & Safford, P.C.
;      STREET:  530 Fifth Avenue
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/634,350
;      FILING DATE:  18-APR-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lawrence, William F.
;      REGISTRATION NUMBER:  28,029
;      REFERENCE/DOCKET NUMBER:  516450-2008
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 840-3333
;      TELEFAX:  (212) 840-0712
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-634-350-21

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1913 AACAATACCTTTTTTT 1928
              | |||||||||| |||
Db         16 ACCAATACCTTTGTTT 1


RESULT 2809
US-08-734-973-7/c
; Sequence 7, Application US/08734973
; Patent No. 5912147
;  GENERAL INFORMATION:
;    APPLICANT:  Stoler, Daniel L.
;    APPLICANT:  Basik, Mark
;    APPLICANT:  Anderson, Garth R.
;    TITLE OF INVENTION:  A Rapid Means For Quantitating
;    TITLE OF INVENTION:  Genomic Instability
;    NUMBER OF SEQUENCES:  38
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hodgson, Russ, Andrews, Woods & Goodyear
;      STREET:  1800 One M&T Plaza
;      CITY:  Buffalo
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  14203-2391
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS/ Microsoft Windows
;      SOFTWARE:  Wordperfect for Windows
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/734,973
;      FILING DATE:  October 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Nelson, M. Bud
;      REGISTRATION NUMBER:  35,300
;      REFERENCE/DOCKET NUMBER:  03551.0021
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (716) 856-4000
;      TELEFAX:  (716) 849-0349
;  INFORMATION FOR SEQ ID NO:  7 :
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single-stranded
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:  No
US-08-734-973-7

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2671 ACAGTGTGTGTGGGTG 2686
              || |||||||| |||
Db         18 ACTGTGTGTGTGTGTG 3


RESULT 2810
US-08-734-973-8/c
; Sequence 8, Application US/08734973
; Patent No. 5912147
;  GENERAL INFORMATION:
;    APPLICANT:  Stoler, Daniel L.
;    APPLICANT:  Basik, Mark
;    APPLICANT:  Anderson, Garth R.
;    TITLE OF INVENTION:  A Rapid Means For Quantitating
;    TITLE OF INVENTION:  Genomic Instability
;    NUMBER OF SEQUENCES:  38
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hodgson, Russ, Andrews, Woods & Goodyear
```

```
;       STREET:  1800 One M&T Plaza
;       CITY:  Buffalo
;       STATE:  New York
;       COUNTRY:  United States
;       ZIP:  14203-2391
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3.5 inch
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  MS-DOS/ Microsoft Windows
;       SOFTWARE:  Wordperfect for Windows
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/734,973
;       FILING DATE:  October 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Nelson, M. Bud
;       REGISTRATION NUMBER:  35,300
;       REFERENCE/DOCKET NUMBER:  03551.0021
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (716) 856-4000
;       TELEFAX:  (716) 849-0349
;   INFORMATION FOR SEQ ID NO:  8 :
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single-stranded
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
;     HYPOTHETICAL:  No
US-08-734-973-8

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2671 ACAGTGTGTGTGGGTG 2686
                || |||||||||  |||
Db         18 ACTGTGTGTGTGTGTG 3


RESULT 2811
US-08-725-976-8
; Sequence 8, Application US/08725976
; Patent No. 5929208
;  GENERAL INFORMATION:
;    APPLICANT:  Heller, Michael J.; and Tu, Eugene
;    TITLE OF INVENTION:  METHODS FOR ELECTRONIC SYNTHESIS OF POLYMERS
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  WINDOWS (VERSION 3.0)
;      SOFTWARE:  WordPerfect (Version 6.0)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/725,976
;      FILING DATE:  October 4, 1996
;      CLASSIFICATION:  422
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 5929208ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  222/211
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEFAX:  67-3510
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-725-976-8

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1490 CTGGAGAAAATGGAGA 1505
              |||||||| | |||||
Db          1 CTGGAGAAGAAGGAGA 16


RESULT 2812
US-08-775-009-22
; Sequence 22, Application US/08775009
; Patent No. 5935783
;  GENERAL INFORMATION:
;    APPLICANT:  Gong, Weilong
;    APPLICANT:  Emanuel, Beverly S.
;    APPLICANT:  Budarf, Marcia L.
;    APPLICANT:  Roe, Bruce
;    TITLE OF INVENTION:  No. 5935783el Genes Mapping in the Digeorge and
;    TITLE OF INVENTION:  Veliocardiofacial Syndrome Minimal Critical Region
;    NUMBER OF SEQUENCES:  45
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz &
;      ADDRESSEE:  No. 5935783ris, LLP
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  U.S.A.
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/775,009
;      FILING DATE:  27-DEC-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Trujillo, Doreen Yatko
;      REGISTRATION NUMBER:  35,719
;      REFERENCE/DOCKET NUMBER:  CH-0681
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-775-009-22

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1661 CTGCATCACCCGCCCC 1676
              ||||||||||  ||||
Db          1 CTGCATCACCTTCCCC 16
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RESULT 2813
US-09-156-424-24
; Sequence 24, Application US/09156424
; Patent No. 5945290
; GENERAL INFORMATION:
;  APPLICANT: Cowsert, Lex M.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RhoA EXPRESSION
;  FILE REFERENCE: RTS-0012
;  CURRENT APPLICATION NUMBER: US/09/156,424
;  CURRENT FILING DATE: 1998-09-18
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 24
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-156-424-24

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1324 ACAGAACTGCTTGTCT 1339
                ||||||  ||||||  ||
Db          3 ACAGAAATGCTTGACT 18


RESULT 2814
US-09-156-979-8/c
; Sequence 8, Application US/09156979
; Patent No. 5962672
; GENERAL INFORMATION:
;  APPLICANT: Cowsert, Lex M.
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RhoB EXPRESSION
;  FILE REFERENCE: RTS-0013
;  CURRENT APPLICATION NUMBER: US/09/156,979
;  CURRENT FILING DATE: 1998-09-18
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 8
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-156-979-8

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        797 AAGGAGCTGGTGGGGG 812
                |||  |||||||||  ||
Db         16 AAGAAGCTGGTGGTGG 1


RESULT 2815
US-09-205-860-47
; Sequence 47, Application US/09205860
; Patent No. 5981732
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-13 EXPRESSION
;  FILE REFERENCE: RTS-0031
;  CURRENT APPLICATION NUMBER: US/09/205,860
;  CURRENT FILING DATE: 1998-12-04
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 47
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-860-47

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1476 ATTCTAACAAAACCCT 1491
                |||  |||  ||||||||
Db          3 ATTGTAAGAAAACCCT 18


RESULT 2816
US-09-205-921-13/c
; Sequence 13, Application US/09205921A
; Patent No. 6008048
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: ex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF EGR-1 EXPRESSION
;  FILE REFERENCE: RTS-0028
;  CURRENT APPLICATION NUMBER: US/09/205,921A
;  CURRENT FILING DATE: 1998-12-04
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 13
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-205-921-13

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGG 66
                ||||  ||  ||||||||
Db         18 GCGGTGGAGGCGGCGG 3


RESULT 2817
US-08-471-039-273/c
; Sequence 273, Application US/08471039
; Patent No. 6017523
;  GENERAL INFORMATION:
;    APPLICANT:  Abrams, Mark A.
;    APPLICANT:  Bauer, S. C.
;    APPLICANT:  Braford-Goldberg, Sarah R.
;    APPLICANT:  Caparon, Maire H.
;    APPLICANT:  Easton, Alan M.
;    APPLICANT:  Klein, Barbara K.
;    APPLICANT:  McKearn, John P.
;    APPLICANT:  Olins, Peter O.
;    APPLICANT:  Paik, Kumnan
;    APPLICANT:  Polazzi, Joseph O.
;    APPLICANT:  Thomas, John W.
;    TITLE OF INVENTION:  Interleukin-3 (IL-3) Mutant Polypeptides
;    NUMBER OF SEQUENCES:  549
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis A. Bennett, G.D. Searle & Co.,
;      ADDRESSEE:  Corporate Patent Dept.
;      STREET:  P. O. Box 5110
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60680
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
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;      APPLICATION NUMBER:  US/08/471,039
;      FILING DATE:  06-JUN-1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/981,044
;      FILING DATE:  24-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/11198
;      FILING DATE:  22-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bennett, Dennis A.
;      REGISTRATION NUMBER:  34,547
;      REFERENCE/DOCKET NUMBER:  C2713/5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708)470-6501
;      TELEFAX:  (708)470-6881
;  INFORMATION FOR SEQ ID NO:  273:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
US-08-471-039-273

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        758 ATTTCCATGACCAAGA 773
              ||||| | ||||||||
Db         17 ATTTCGAAGACCAAGA 2


RESULT 2818
US-08-271-882B-8
; Sequence 8, Application US/08271882B
; Patent No. 6017696
;  GENERAL INFORMATION:
;    APPLICANT:  Michael J. Heller
;    APPLICANT:  Eugene Tu
;    APPLICANT:  Glen A. Evans
;    APPLICANT:  Ronald G. Sosnowski
;    TITLE OF INVENTION:  SELF-ADDRESSABLE
;    TITLE OF INVENTION:  SELF-ASSEMBLING
;    TITLE OF INVENTION:  MICROELECTRONIC SYSTEMS AND
;    TITLE OF INVENTION:  DEVICES FOR
;    TITLE OF INVENTION:  MOLECULAR BIOLOGICAL ANALYSIS
;    TITLE OF INVENTION:  AND DIAGNOSTICS
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,882B
;      FILING DATE:  July 7, 1994
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/146,504
;      FILING DATE:  No. 6017696ember 1, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murphy, David B.
;      REGISTRATION NUMBER:  31,125
;      REFERENCE/DOCKET NUMBER:  207/263
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18
;      TYPE:  nucleic
;      TYPE:  acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-271-882B-8

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1490 CTGGAGAAAATGGAGA 1505
              |||||||| | |||||
Db          1 CTGGAGAAGAAGGAGA 16


RESULT 2819
US-08-516-859A-15
; Sequence 15, Application US/08516859A
; Patent No. 6069231
;  GENERAL INFORMATION:
;    APPLICANT:  Huang, Shi
;    TITLE OF INVENTION:  Retinoblastoma Protein - Interacting
;    TITLE OF INVENTION:  Zinc Finger Proteins
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/516,859A
;      FILING DATE:  18-AUG-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/399,411
;      FILING DATE:  06-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/292,683
;      FILING DATE:  18-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LJ 1776
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-516-859A-15

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;
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Qy       1576 TCTCCACCGCACAGAC 1591
              ||||||| |||||| |
Db          1 TCTCCACAGCACAGCC 16


RESULT 2820
US-09-143-212-11/c
; Sequence 11, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia and Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
;  FILE REFERENCE: RTS-0005
;  CURRENT APPLICATION NUMBER: US/09/143,212B
;  CURRENT FILING DATE: 1998-08-28
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 11
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-11

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1518 AAAATTGGAACGAAGA 1533
              ||||| || |||||||
Db         17 AAAATGGGCACGAAGA 2


RESULT 2821
US-09-289-466-61/c
; Sequence 61, Application US/09289466A
; Patent No. 6124272
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PDK-1 EXPRESSION
;  FILE REFERENCE: RTS-0060
;  CURRENT APPLICATION NUMBER: US/09/289,466A
;  CURRENT FILING DATE: 1999-04-09
;  NUMBER OF SEQ ID NOS: 86
; SEQ ID NO 61
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-289-466-61

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        198 ACGAAGAGGACTGCGA 213
              |||| |||||||||  |
Db         17 ACGACGAGGACTGCTA 2


RESULT 2822
US-09-035-220-13
; Sequence 13, Application US/09035220
; Patent No. 6130042
;  GENERAL INFORMATION:
;    APPLICANT:  Diehl, Scott R.
;    APPLICANT:  Schenkein, Harvey A.
;    APPLICANT:  Wang, Yue-Fen
;    TITLE OF INVENTION:  Compositions and Methods for Diagnosing
;    TITLE OF INVENTION:  Periodontal Disease
;    NUMBER OF SEQUENCES:  47
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll, LLP
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/035,220
;      FILING DATE:  05-MAR-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Carroll, Peter G.
;      REGISTRATION NUMBER:  32,837
;      REFERENCE/DOCKET NUMBER:  NIH-05027
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "DNA"
US-09-035-220-13

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1644 AAGAGCCTTCACTGGT 1659
              | |||||||||| ||||
Db          3 ATGAGCCTTCAATGGT 18


RESULT 2823
US-09-071-710-33/c
; Sequence 33, Application US/09071710
; Patent No. 6130043
;  GENERAL INFORMATION:
;    APPLICANT:  BILLING-MEDEL, PATRICIA
;    APPLICANT:  COHEN, MAURICE
;    APPLICANT:  COLPITTS, TRACEY L.
;    APPLICANT:  FRIEDMAN, PAULA N.
;    APPLICANT:  GORDON, JULIAN
;    APPLICANT:  GRANADOS, EDWARD N.
;    APPLICANT:  HODGES, STEVEN C.
;    APPLICANT:  KLASS, MICHAEL R.
;    APPLICANT:  KRATOCHVIL, JON D.
;    APPLICANT:  ROBERTS-RAPP, LISA
;    APPLICANT:  RUSSELL, JOHN C.
;    APPLICANT:  STROUPE, STEPHEN D.
;    TITLE OF INVENTION:  REAGENTS AND METHODS USEFUL
;    TITLE OF INVENTION:  FOR DETECTING DISEASES OF THE PROSTATE
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
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;       SOFTWARE:  FastSEQ for Windows Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/071,710
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/850,713
;       FILING DATE:  02-MAY-1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Becker, Cheryl L.
;       REGISTRATION NUMBER:  35,441
;       REFERENCE/DOCKET NUMBER:  6083.US.P1
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  847/935-1729
;       TELEFAX:  847/938-2623
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  33:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-071-710-33

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1093 AGCTGTTCATTTGGCT 1108
              ||||| ||||| ||||
Db         16 AGCTGGTCATTGGGCT 1


RESULT 2824
US-08-621-700-15
; Sequence 15, Application US/08621700
; Patent No. 6153428
;   GENERAL INFORMATION:
;       APPLICANT: Gustafsson, Kenth T.
;                  Sachs, David. H.
;       TITLE OF INVENTION: '(1,3) GALACTOSYLTRANSFERASE NEGATIVE SWINE
;       NUMBER OF SEQUENCES: 24
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Carella, Bryne, Bain, Gilfillan, Cecchi, Stewart & Olstein
;            STREET: 6 Becker Farm Road
;            CITY: Roseland
;            STATE: New Jersey
;            COUNTRY: USA
;            ZIP: 07068
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: 3.5 inch diskette
;            COMPUTER: IBM PS/2
;            OPERATING SYSTEM: MS-DOS
;            SOFTWARE: ASCII
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/621,700
;            FILING DATE: 26-Mar-1996
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/228,933
;            FILING DATE: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Charles J. Herron
;            REGISTRATION NUMBER: 28,019
;            REFERENCE/DOCKET NUMBER: 61750-104
;   INFORMATION FOR SEQ ID NO: 15:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 18 bases
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       HYPOTHETICAL: NO
;       ANTI-SENSE: YES
;       SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-08-621-700-15

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2150 ATTGATTTTTTTCTCC 2165
              ||| ||| ||||||||
Db          3 ATTCATTATTTTCTCC 18


RESULT 2825
US-08-726-278-8
; Sequence 8, Application US/08726278
; Patent No. 6238624
; GENERAL INFORMATION:
;  APPLICANT:  Heller, Michael J.
;  APPLICANT:  Tu, Eugene
;  APPLICANT:  Evans, Glen A.
;  APPLICANT:  Sosnowski, Ronald G.
;  TITLE OF INVENTION:  METHODS FOR ELECTRONIC TRANSPORT IN MOLECULAR
;  TITLE OF INVENTION:  BIOLOGICAL ANALYSIS AND DIAGNOSTICS
;  FILE REFERENCE:  DAVID B. MURPHY/NANOGEN:  222-210
;  CURRENT APPLICATION NUMBER: US/08/726,278
;  CURRENT FILING DATE:  1996-10-04
;  PRIOR APPLICATION NUMBER:  08/271,882
;  PRIOR FILING DATE:  1994-07-07
;  NUMBER OF SEQ ID NOS:  44
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Sequences for
;   OTHER INFORMATION: Labeling
US-08-726-278-8

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1490 CTGGAGAAAATGGAGA 1505
              |||||||| | |||||
Db          1 CTGGAGAAGAAGGAGA 16


RESULT 2826
US-09-525-397-33/c
; Sequence 33, Application US/09525397
; Patent No. 6252047
;  GENERAL INFORMATION:
;    APPLICANT:  BILLING-MEDEL, PATRICIA
;    APPLICANT:  COHEN, MAURICE
;    APPLICANT:  COLPITTS, TRACEY L.
;    APPLICANT:  FRIEDMAN, PAULA N.
;    APPLICANT:  GORDON, JULIAN
;    APPLICANT:  GRANADOS, EDWARD N.
;    APPLICANT:  HODGES, STEVEN C.
;    APPLICANT:  KLASS, MICHAEL R.
;    APPLICANT:  KRATOCHVIL, JON D.
;    APPLICANT:  ROBERTS-RAPP, LISA
;    APPLICANT:  RUSSELL, JOHN C.
;    APPLICANT:  STROUPE, STEPHEN D.
;    TITLE OF INVENTION:  REAGENTS AND METHODS USEFUL
;    TITLE OF INVENTION:  FOR DETECTING DISEASES OF THE PROSTATE
;    NUMBER OF SEQUENCES:  41
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
```

```
;       ZIP:  60064-3500
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ for Windows Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/525,397
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  09/071,710
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Becker, Cheryl L.
;       REGISTRATION NUMBER:  35,441
;       REFERENCE/DOCKET NUMBER:  6083.US.P1
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  847/935-1729
;       TELEFAX:  847/938-2623
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  33:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-525-397-33

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1093 AGCTGTTCATTTGGCT 1108
              ||||| ||||| ||||
Db         16 AGCTGGTCATTGGGCT 1


RESULT 2827
US-09-129-105-5
; Sequence 5, Application US/09129105
; Patent No. 6287822
; GENERAL INFORMATION:
;  APPLICANT:  Gjerde, Douglas T.
;  APPLICANT:  Taylor, Paul D.
;  APPLICANT:  Haefele, Robert M.
;  TITLE OF INVENTION:  Mutation Detection Method
;  FILE REFERENCE:  P-103
;  CURRENT APPLICATION NUMBER: US/09/129,105
;  CURRENT FILING DATE:  1998-08-04
;  PRIOR APPLICATION NUMBER:  US 60/054,788
;  PRIOR FILING DATE:  1997-08-05
;  PRIOR APPLICATION NUMBER:  US 60/056,012
;  PRIOR FILING DATE:  1997-08-18
;  PRIOR APPLICATION NUMBER:  US 60/056,500
;  PRIOR FILING DATE:  1997-08-20
;  PRIOR APPLICATION NUMBER:  US 60/061,445
;  PRIOR FILING DATE:  1997-10-09
;  PRIOR APPLICATION NUMBER:  US 60/062,690
;  PRIOR FILING DATE:  1997-10-22
;  PRIOR APPLICATION NUMBER:  US 60/067,269
;  PRIOR FILING DATE:  1997-12-03
;  PRIOR APPLICATION NUMBER:  US 60/070,572
;  PRIOR FILING DATE:  1998-01-06
;  PRIOR APPLICATION NUMBER:  US 60/070,585
;  PRIOR FILING DATE:  1997-01-06
;  PRIOR APPLICATION NUMBER:  US 60/085,840
;  PRIOR FILING DATE:  1998-05-18
;  PRIOR APPLICATION NUMBER:  US 60/093,844
;  PRIOR FILING DATE:  1998-07-22
;  NUMBER OF SEQ ID NOS:  12
;  SOFTWARE:  FastSEQ for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-129-105-5

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1245 AAGAATTCACAGAACT 1260
              ||||||||||||  ||
Db          1 AAGAATTCACAGGGCT 16


RESULT 2828
US-09-586-472-15
; Sequence 15, Application US/09586472
; Patent No. 6323335
;   GENERAL INFORMATION:
;       APPLICANT: Huang, Shi
;       TITLE OF INVENTION: Retinoblastoma Protein - Interacting
;                           Zinc Finger Proteins
;       NUMBER OF SEQUENCES: 106
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Campbell & Flores LLP
;            STREET: 4370 La Jolla Village Drive, Suite 700
;            CITY: San Diego
;            STATE: California
;            COUNTRY: USA
;            ZIP: 92122
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.25
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/586,472
;            FILING DATE: 01-Jun-2000
;            CLASSIFICATION: <Unknown>
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 09/528,706
;            FILING DATE: 17-MAR-2000
;            APPLICATION NUMBER: US 08/516,859
;            FILING DATE: 18-AUG-1995
;            APPLICATION NUMBER: US 08/399,411
;            FILING DATE: 06-MAR-1995
;            APPLICATION NUMBER: US 08/292,683
;            FILING DATE: 18-AUG-1994
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Campbell, Cathryn A.
;            REGISTRATION NUMBER: 31,815
;            REFERENCE/DOCKET NUMBER: P-LJ 4130
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (619) 535-9001
;            TELEFAX: (619) 535-8949
;   INFORMATION FOR SEQ ID NO: 15:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 18 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-586-472-15

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1576 TCTCCACCGCACAGAC 1591
              ||||||| |||||| |
Db          1 TCTCCACAGCACAGCC 16
```

```
RESULT 2829
US-09-430-114-2
; Sequence 2, Application US/09430114
; Patent No. 6333313
; GENERAL INFORMATION:
;  APPLICANT: COPLAND III, JOHN A.
;  APPLICANT: IVES, KIRK LORNE
;  APPLICANT: SIMMONS, DAVID
;  APPLICANT: SOLOFF, MELVYN
;  TITLE OF INVENTION: CLINICAL USE OF OXYTOCIN ALONE OR IN COMBINATION TO
;  TITLE OF INVENTION: TREAT BONE DISORDERS
;  FILE REFERENCE: UTSG:226
;  CURRENT APPLICATION NUMBER: US/09/430,114
;  CURRENT FILING DATE: 1999-10-29
;  EARLIER APPLICATION NUMBER: 60/106,134
;  EARLIER FILING DATE: 1998-10-28
;  NUMBER OF SEQ ID NOS: 6
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Primer
US-09-430-114-2

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1939 GGTAATGGTTGGTTTT 1954
              ||| ||||| ||||||
Db          1 GGTGATGGTGGGTTTT 16


RESULT 2830
US-09-496-694B-99/c
; Sequence 99, Application US/09496694B
; Patent No. 6335194
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Elizabeth J. Ackermann
;  APPLICANT:  Eric E. Swayze
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SURVIVIN EXPRESSION
;  FILE REFERENCE: ISPH-0439
;  CURRENT APPLICATION NUMBER: US/09/496,694B
;  CURRENT FILING DATE:  2000-02-02
;  PRIOR APPLICATION NUMBER: 09/286,407
;  PRIOR FILING DATE: 1999-04-05
;  PRIOR APPLICATION NUMBER: 09/163,162
;  PRIOR FILING DATE: 1998-09-29
;  NUMBER OF SEQ ID NOS: 249
; SEQ ID NO 99
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-496-694B-99

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         53 GGCGGGGGCGGCGGCA 68
              || || ||||||||||
Db         18 GGTGGCGGCGGCGGCA 3
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RESULT 2831
US-08-584-040-3049/c
; Sequence 3049, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  3049:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-3049

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        463 GCAGCAGGCCTGGCCC 478
              || ||||| |||||||
Db         17 GCTGCAGGGCTGGCCC 2


RESULT 2832
US-09-205-995-11
; Sequence 11, Application US/09205995
; Patent No. 6368855
; GENERAL INFORMATION:
;  APPLICANT:  Xu, Minzhen
;  APPLICANT:  Qiu, Gang
;  APPLICANT:  Humphreys, Robert
;  TITLE OF INVENTION:  CANCER CELL VACCINE
;  FILE REFERENCE:  U.S. Application 09/205,995, (CIP)
;  CURRENT APPLICATION NUMBER: US/09/205,995
;  CURRENT FILING DATE:  1998-12-04
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;  PRIOR APPLICATION NUMBER:  09/036,746
;  PRIOR FILING DATE:  1998-03-09
;  PRIOR APPLICATION NUMBER:  08/661,627
;  PRIOR FILING DATE:  1996-06-11
;  NUMBER OF SEQ ID NOS:  79
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: antisense
;   OTHER INFORMATION: oligonucleotide corresponding to a specific region
;   OTHER INFORMATION: of the mouse Ii gene.
US-09-205-995-11

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1356 CCCACGGGTTTGGCAG 1371
              | ||| ||||||||||
Db          2 CTCACAGGTTTGGCAG 17


RESULT 2833
US-09-387-341-38
; Sequence 38, Application US/09387341
; Patent No. 6410323
; GENERAL INFORMATION:
;  APPLICANT: Roberts, M. Luisa
;  APPLICANT: Cowsert, Lex M.
;  TITLE OF INVENTION: Antisense Modulation of Human Rho Family Gene
;  TITLE OF INVENTION: Expression
;  FILE REFERENCE: ISPH-0404
;  CURRENT APPLICATION NUMBER: US/09/387,341
;  CURRENT FILING DATE: 1999-08-31
;  EARLIER APPLICATION NUMBER: 09/156,424
;  EARLIER FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 09/156,979
;  EARLIER FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 09/156,807
;  EARLIER FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 09/161,015
;  EARLIER FILING DATE: 1998-09-25
;  NUMBER OF SEQ ID NOS: 233
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 38
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-09-387-341-38

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1324 ACAGAACTGCTTGTCT 1339
              |||||| |||||| ||
Db          3 ACAGAAATGCTTGACT 18


RESULT 2834
US-09-387-341-69/c
; Sequence 69, Application US/09387341
; Patent No. 6410323
; GENERAL INFORMATION:
;  APPLICANT: Roberts, M. Luisa
;  APPLICANT: Cowsert, Lex M.
;  TITLE OF INVENTION: Antisense Modulation of Human Rho Family Gene
;  TITLE OF INVENTION: Expression
;  FILE REFERENCE: ISPH-0404
;  CURRENT APPLICATION NUMBER: US/09/387,341
;  CURRENT FILING DATE: 1999-08-31
;  EARLIER APPLICATION NUMBER: 09/156,424
;  EARLIER FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 09/156,979
;  EARLIER FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 09/156,807
;  EARLIER FILING DATE: 1998-09-18
;  EARLIER APPLICATION NUMBER: 09/161,015
;  EARLIER FILING DATE: 1998-09-25
;  NUMBER OF SEQ ID NOS: 233
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 69
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-09-387-341-69

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        797 AAGGAGCTGGTGGGGG 812
              ||| |||||||||  ||
Db         16 AAGAAGCTGGTGGTGG 1


RESULT 2835
US-08-929-940-15
; Sequence 15, Application US/08929940
; Patent No. 6413769
;  GENERAL INFORMATION:
;    APPLICANT:  BIOTRANSPLANT, INC.
;    APPLICANT:  THE GENERAL HOSPITAL CORPORATION
;    APPLICANT:  THE UNIVERSITY OF LONDON
;    APPLICANT:  BAETSCHER, Manfred W.
;    APPLICANT:  GUSTAFSSON, Kenth T.
;    APPLICANT:  SACHS, David. H.
;    TITLE OF INVENTION:  a(1,3) GALACTOSYLTRANSFERASE NEGATIVE SWINE
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Carella, Byrne, Bain, Gilfillan, Cecchi, Stewart & Olstein
;      STREET:  6 Becker Farm Road
;      CITY:  Roseland
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  DTK Pentium
;      OPERATING SYSTEM:  Win95
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/929,940
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/228,933
;      FILING DATE:  April 13, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Charles J. Herron
;      REGISTRATION NUMBER:  28,019
;      REFERENCE/DOCKET NUMBER:  61750-CIP
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
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US-08-929-940-15

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2150 ATTGATTTTTTTCTCC 2165
              ||| ||| ||||||||
Db          3 ATTCATTATTTTCTCC 18


RESULT 2836
US-09-698-938-5
; Sequence 5, Application US/09698938
; Patent No. 6455692
; GENERAL INFORMATION:
;  APPLICANT: Gjerde, Douglas T.
;  APPLICANT:  Taylor, Paul D.
;  APPLICANT:  Haefele, Robert M.
;  TITLE OF INVENTION: Mutation Detection Method
;  FILE REFERENCE: P-530
;  CURRENT APPLICATION NUMBER: US/09/698,938
;  CURRENT FILING DATE:  2000-10-26
;  PRIOR APPLICATION NUMBER: US 09/129,105
;  PRIOR FILING DATE: 1998-08-04
;  NUMBER OF SEQ ID NOS: 12
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-698-938-5

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1245 AAGAATTCACAGAACT 1260
              ||||||||||||  ||
Db          1 AAGAATTCACAGGGCT 16


RESULT 2837
US-09-528-706-15
; Sequence 15, Application US/09528706
; Patent No. 6468985
;  GENERAL INFORMATION:
;    APPLICANT:  Huang, Shi
;    TITLE OF INVENTION:  Retinoblastoma Protein - Interacting
;    TITLE OF INVENTION:  Zinc Finger Proteins
;    NUMBER OF SEQUENCES:  106
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Campbell & Flores LLP
;      STREET:  4370 La Jolla Village Drive, Suite 700
;      CITY:  San Diego
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92122
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/528,706
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/516,859
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/292,683
;      FILING DATE:  18-AUG-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Campbell, Cathryn A.
;      REGISTRATION NUMBER:  31,815
;      REFERENCE/DOCKET NUMBER:  P-LJ 1776
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (619) 535-9001
;      TELEFAX:  (619) 535-8949
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-528-706-15

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1576 TCTCCACCGCACAGAC 1591
              ||||||| ||||||
Db          1 TCTCCACAGCACAGCC 16


RESULT 2838
US-08-559-390-273/c
; Sequence 273, Application US/08559390
; Patent No. 6479261
;  GENERAL INFORMATION:
;    APPLICANT:  Abrams, Mark A.
;    APPLICANT:  Bauer, S. C.
;    APPLICANT:  Braford-Goldberg, Sarah R.
;    APPLICANT:  Caparon, Maire H.
;    APPLICANT:  Easton, Alan M.
;    APPLICANT:  Klein, Barbara K.
;    APPLICANT:  McKearn, John P.
;    APPLICANT:  Olins, Peter O.
;    APPLICANT:  Paik, Kumnan
;    APPLICANT:  Polazzi, Joseph O.
;    APPLICANT:  Thomas, John W.
;    TITLE OF INVENTION:  Interleukin-3 (IL-3) Mutant Polypeptides
;    NUMBER OF SEQUENCES:  549
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis A. Bennett, G.D. Searle & Co.,
;      ADDRESSEE:  Corporate Patent Dept.
;      STREET:  P. O. Box 5110
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60680
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/559,390
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/411,796
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/981044
;      FILING DATE:  24-NOV-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/11198
;      FILING DATE:  22-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bennett, Dennis A.
;      REGISTRATION NUMBER:  34,547
;      REFERENCE/DOCKET NUMBER:  C2713/1
```

```
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (708)470-6501
;       TELEFAX:  (708)470-6881
;   INFORMATION FOR SEQ ID NO:  273:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (synthetic)
US-08-559-390-273

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        758 ATTTCCATGACCAAGA 773
              ||||| | ||||||||
Db         17 ATTTCGAAGACCAAGA 2


RESULT 2839
US-09-422-978-4675
; Sequence 4675, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4675
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-16952 for SEQ 741,
US-09-422-978-4675

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1492 GGAGAAAATGGAGAAA 1507
              ||||| | ||||||||
Db          1 GGAGATAGTGGAGAAA 16


RESULT 2840
US-09-422-978-5984/c
; Sequence 5984, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5984
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-8256 for SEQ 2050,
US-09-422-978-5984

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2241 TAAGGTACTGAAGCTT 2256
              ||||| ||||| ||||
Db         16 TAAGGAACTGAGGCTT 1


RESULT 2841
US-09-422-978-7144/c
; Sequence 7144, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7144
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: upstream amplification primer 99-24889 for SEQ 3210,
US-09-422-978-7144

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        762 CCATGACCAAGAACCC 777
              |||||||||| ||| |
Db         18 CCATGACCAACAACAC 3


RESULT 2842
US-09-422-978-7869/c
; Sequence 7869, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
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;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7869
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: downstream amplification primer 99-1151 for SEQ 4, in complement
US-09-422-978-7869

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1939 GGTAATGGTTGGTTTT 1954
              ||||| ||||||| ||
Db         18 GGTAAGGGTTGGTGTT 3


RESULT 2843
US-09-422-978-8632
; Sequence 8632, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8632
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: downstream amplification primer 99-17133 for SEQ 767, in compleme
US-09-422-978-8632

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1478 TCTAACAAAACCCTGG 1493
              ||||| ||| ||||||
Db          3 TCTAATAAACCCCTGG 18


RESULT 2844
US-09-422-978-9171
; Sequence 9171, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9171
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: downstream amplification primer 99-2271 for SEQ 1306, in compleme
US-09-422-978-9171

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1227 CGGCCCAGCAACTGTG 1242
              | || ||||||||||||
Db          3 CTGCTCAGCAACTGTG 18


RESULT 2845
US-09-422-978-11530
; Sequence 11530, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11530
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..18
;   OTHER INFORMATION: downstream amplification primer 99-9362 for SEQ 3665, in compleme
US-09-422-978-11530

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1945 GGTTGGTTTTTGTGTC 1960
              |||||||||||  ||
Db          3 GGTTGGTTTTTGCCTC 18


RESULT 2846
US-09-371-772B-1477/c
; Sequence 1477, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
```

```
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1477
;   LENGTH: 18
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1477

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        463 GCAGCAGGCCTGGCCC 478
              || ||||| |||||||
Db         17 GCTGCAGGGCTGGCCC 2


RESULT 2847
US-09-679-298A-25/c
; Sequence 25, Application US/09679298A
; Patent No. 6566131
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SMAD6 EXPRESSION
;  FILE REFERENCE: RTS-0045
;  CURRENT APPLICATION NUMBER: US/09/679,298A
;  CURRENT FILING DATE:  2001-03-05
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 25
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-679-298A-25

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGG 66
              ||||||| ||||| ||
Db         16 GCGGCGGCGGCGGTGG 1


RESULT 2848
US-09-347-613C-17
; Sequence 17, Application US/09347613C
; Patent No. 6593133
; GENERAL INFORMATION:
;  APPLICANT: Johansen, Teit E.
;  APPLICANT:  Blom, Nikolaj
;  APPLICANT:  Hansen, Claus
;  TITLE OF INVENTION: No. 6593133el Neurotrophic Factors
;  FILE REFERENCE: NeuroSearch 19313-001
;  CURRENT APPLICATION NUMBER: US/09/347,613C
;  CURRENT FILING DATE:  1999-07-02
;  PRIOR APPLICATION NUMBER: DANISH  1998 00904
;  PRIOR FILING DATE: 1998-07-06
;  PRIOR APPLICATION NUMBER: USSN 60/092,229
;  PRIOR FILING DATE: 1998-07-09
;  PRIOR APPLICATION NUMBER: DANISH  1998 01048
;  PRIOR FILING DATE: 1998-08-19
;  PRIOR APPLICATION NUMBER: USSN 60/097,774
;  PRIOR FILING DATE: 1998-08-25
;  PRIOR APPLICATION NUMBER: DANISH  1998 01260
;  PRIOR FILING DATE: 1998-10-05
;  PRIOR APPLICATION NUMBER: USSN 60/103,908
;  PRIOR FILING DATE: 1998-10-13
;  PRIOR APPLICATION NUMBER: DANISH  1998 01265
;  PRIOR FILING DATE: 1998-10-06
;  NUMBER OF SEQ ID NOS: 43
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
US-09-347-613C-17

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        526 CCCGGCCGGCCTACTG 541
              || |||| ||||||||
Db          1 CCTGGCCAGCCTACTG 16


RESULT 2849
PCT-US91-03680-4
; Sequence 4, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
```

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;       NAME/KEY:  modified_base
;       LOCATION:  1
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  9
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "5-methylcytosine"
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  15
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "5-methylcytosine"
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  18
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "1,3-propanediol"
PCT-US91-03680-4

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2181
                ||||||| ||||| ||
Db          2 TTTTTTCTTTTTCTT 17


RESULT 2850
PCT-US91-03680-4/c
; Sequence 4, Application PC/TUS9103680
;  GENERAL INFORMATION:
;     APPLICANT:  Matteucci, Mark D.
;     APPLICANT:  Krawczyk, Steven
;     TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;     TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;     TITLE OF INVENTION:  DUPLEX DNA
;     NUMBER OF SEQUENCES:  158
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Morrison & Foerster
;       STREET:  545 Middlefield Road, Suite 200
;       CITY:  Menlo Park
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94025
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US91/03680
;       FILING DATE:  19910524
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Murashige, Kate H.
;       REGISTRATION NUMBER:  29,959
;       REFERENCE/DOCKET NUMBER:  4610-0011.40
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415-327-7250
;       TELEFAX:  415-327-2951
;       TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  1
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  9
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "5-methylcytosine"
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  15
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "5-methylcytosine"
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  18
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "1,3-propanediol"
PCT-US91-03680-4

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2801
                || ||||| |||||||
Db         17 AAGAAAAAGAAAAAA 2


RESULT 2851
PCT-US91-03680-5
; Sequence 5, Application PC/TUS9103680
;  GENERAL INFORMATION:
;     APPLICANT:  Matteucci, Mark D.
;     APPLICANT:  Krawczyk, Steven
;     TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;     TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;     TITLE OF INVENTION:  DUPLEX DNA
;     NUMBER OF SEQUENCES:  158
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Morrison & Foerster
;       STREET:  545 Middlefield Road, Suite 200
;       CITY:  Menlo Park
;       STATE:  California
;       COUNTRY:  USA
;       ZIP:  94025
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US91/03680
;       FILING DATE:  19910524
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Murashige, Kate H.
;       REGISTRATION NUMBER:  29,959
;       REFERENCE/DOCKET NUMBER:  4610-0011.40
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  415-327-7250
;       TELEFAX:  415-327-2951
;       TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  18 base pairs
;       TYPE:  NUCLEIC ACID
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     FEATURE:
;       NAME/KEY:  modified_base
;       LOCATION:  8
;       OTHER INFORMATION:  /mod_base= OTHER
;       OTHER INFORMATION:  /note= "5-methylcytosine"
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;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  14
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "1,3-propandiol"
PCT-US91-03680-5

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2181
                ||||||| ||||| ||
Db          1 TTTTTTCTTTTTCTT 16


RESULT 2852
PCT-US91-03680-5/c
; Sequence 5, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  8
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  14
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  17
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "1,3-propandiol"
PCT-US91-03680-5

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2801
                || ||||| |||||||
Db         16 AAGAAAAAGAAAAAAA 1


RESULT 2853
PCT-US93-11198-273/c
; Sequence 273, Application PC/TUS9311198
;  GENERAL INFORMATION:
;    APPLICANT:  Abrams, Mark A.
;    APPLICANT:  Bauer, S. C.
;    APPLICANT:  Braford-Goldberg, Sarah R.
;    APPLICANT:  Caparon, Maire H.
;    APPLICANT:  Easton, Alan M.
;    APPLICANT:  Klein, Barbara K.
;    APPLICANT:  McKearn, John P.
;    APPLICANT:  Olins, Peter O.
;    APPLICANT:  Paik, Kumnan
;    APPLICANT:  Polazzi, Joseph O.
;    APPLICANT:  Thomas, John W.
;    TITLE OF INVENTION:  Interleukin-3 (IL-3) Mutant Polypeptides
;    NUMBER OF SEQUENCES:  549
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis A. Bennett, G.D. Searle & Co.,
;      ADDRESSEE:  Corporate Patent Dept.
;      STREET:  P. O. Box 5110
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60680
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/11198
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/981044
;      FILING DATE:  24-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bennett, Dennis A.
;      REGISTRATION NUMBER:  34,547
;      REFERENCE/DOCKET NUMBER:  C2713/1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (708)470-6501
;      TELEFAX:  (708)470-6881
;  INFORMATION FOR SEQ ID NO:  273:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
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;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (synthetic)
PCT-US93-11198-273

  Query Match              0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        758 ATTTCCATGACCAAGA 773
              ||||| | ||||||||
Db         17 ATTTCGAAGACCAAGA 2


RESULT 2854
PCT-US93-12603-11
; Sequence 11, Application PC/TUS9312603
;  GENERAL INFORMATION:
;    APPLICANT:  Denner, Larry A
;    APPLICANT:  Rege, Ajay A
;    APPLICANT:  Dixon, Richard AF
;    TITLE OF INVENTION:  ANTISENSE MOLECULES DIRECTED AGAINST
;    TITLE OF INVENTION:  GENES OF THE RAF ONCOGENE FAMILY
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dressler, Goldsmith, Shore & Milnamow, Ltd.
;      STREET:  180 North Stetson, Suite 4700
;      CITY:  Chicago
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60601
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/12603
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Katz, Martin L.
;      REGISTRATION NUMBER:  25,011
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312)616-5400
;      TELEFAX:  (312)616-5460
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  both
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
PCT-US93-12603-11

  Query Match              0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        508 GCCCTCGCACCACGGG 523
              |||||| |||||| ||
Db          1 GCCCTCACACCACTGG 16


RESULT 2855
PCT-US95-03940-15
; Sequence 15, Application PC/TUS9503940
;  GENERAL INFORMATION:
;    APPLICANT:  BIOTRANSPLANT, INC.
;    APPLICANT:  THE GENERAL HOSPITAL CORPORATION
;    APPLICANT:  THE UNIVERSITY OF LONDON
;    APPLICANT:  BAETSCHER, Manfred W.
;    APPLICANT:  GUSTAFSSON, Kenth T.
;    APPLICANT:  SACHS, David. H.
;    TITLE OF INVENTION:  '(1,3) GALACTOSYLTRANSFERASE NEGATIVE SWINE
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Carella, Byrne, Bain, Gilfillan, Cecchi,
;      ADDRESSEE:  Stewart & Olstein
;      STREET:  6 Becker Farm Road
;      CITY:  Roseland
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07068
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/03940
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/228,933
;      FILING DATE:  April 13, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Charles J. Herron
;      REGISTRATION NUMBER:  28,019
;      REFERENCE/DOCKET NUMBER:  61750-CIP
;  INFORMATION FOR SEQ ID NO:  15:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
PCT-US95-03940-15

  Query Match              0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2150 ATTGATTTTTTTCTCC 2165
              ||| ||| ||||||||
Db          3 ATTCATTATTTTCTCC 18


RESULT 2856
PCT-US95-05602-42/c
; Sequence 42, Application PC/TUS9505602
;  GENERAL INFORMATION:
;    APPLICANT:  Leckie, G.W.
;    APPLICANT:  Davis A.H.
;    APPLICANT:  Semple-Facey, I.E.
;    APPLICANT:  Manlove, M.T.
;    APPLICANT:  Solomon, N.A.
;    TITLE OF INVENTION:  Materials and Methods for the Detection of
;    TITLE OF INVENTION:  Mycobacteria tuberculosis
;    NUMBER OF SEQUENCES:  76
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  One Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC_DOS/MS_DOS
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/05602
;      FILING DATE:  May 13, 1994
;      CLASSIFICATION:
```

```
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thomas D. Brainard
;      REGISTRATION NUMBER:  32,459
;      REFERENCE/DOCKET NUMBER:  5370.PC.01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  708/937-4884
;      TELEFAX:  708/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Synthetic DNA
PCT-US95-05602-42

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1394 TCTGCCCTGCAGAACT 1409
                ||| |||||||| |||
Db         18 TCTCCCCTGCAGTACT 3


RESULT 2857
PCT-US95-05816-42/c
; Sequence 42, Application PC/TUS9505816
;  GENERAL INFORMATION:
;    APPLICANT:  Solomon, N.
;    APPLICANT:  Leckie, G.
;    APPLICANT:  Kratochvil, J.
;    APPLICANT:  O'Donnell, D.
;    TITLE OF INVENTION:  Materials and Methods for the Detection of
;    TITLE OF INVENTION:  Mycobacteria
;    NUMBER OF SEQUENCES:  75
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  One Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC_DOS/MS_DOS
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/05816
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Thomas D. Brainard
;      REGISTRATION NUMBER:  32,459
;      REFERENCE/DOCKET NUMBER:  5371.PC.01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  708/937-4884
;      TELEFAX:  708/938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  42:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Synthetic DNA
PCT-US95-05816-42

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 18;
  Best Local Similarity   87.5%;  Pred. No. 2.5e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1394 TCTGCCCTGCAGAACT 1409
                ||| |||||||| |||
Db         18 TCTCCCCTGCAGTACT 3


RESULT 2858
US-09-328-174A-28
; Sequence 28, Application US/09328174A
; Patent No. 6448003
; GENERAL INFORMATION:
;  APPLICANT:  Guida, Marco
;  APPLICANT:  Kurth, Janice
;  TITLE OF INVENTION:  Genotyping Human Phenol Sulfotransferase
;  TITLE OF INVENTION:  (STP2)
;  FILE REFERENCE:  4389-6 (formerly SEQ-16P)
;  CURRENT APPLICATION NUMBER: US/09/328,174A
;  CURRENT FILING DATE:  1999-06-08
;  PRIOR APPLICATION NUMBER:  09/328,174
;  PRIOR FILING DATE:  1999-06-08
;  NUMBER OF SEQ ID NOS:  110
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 28
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: H. sapiens
US-09-328-174A-28

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2800
                ||||||||||||  ||
Db          3 GAAAAAAAAAAAGGAA 18


RESULT 2859
US-08-582-539-30/c
; Sequence 30, Application US/08582539
; Patent No. 5733732
;  GENERAL INFORMATION:
;    APPLICANT:  Campbell, Kevin P., et al.
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR DETECTING PRIMARY
;    TITLE OF INVENTION:  ADHALINOPATHY
;    NUMBER OF SEQUENCES:  32
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kevin M. Farrell
;      STREET:  P.O. Box 999
;      CITY:  York Harbor
;      STATE:  ME
;      COUNTRY:  USA
;      ZIP:  03911
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/582,539
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Farrell, Kevin M.
;      REGISTRATION NUMBER:  35,505
;      REFERENCE/DOCKET NUMBER:  UIRF-9501
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  207-363-0558
;      TELEFAX:  207-363-0528
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
```

```
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-582-539-30

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1336 GTCTCATTTCAGCCTG 1351
              ||||| ||||||||
Db         17 GTCTCTCTTCAGCCTG 2


RESULT 2860
US-08-807-104-5
; Sequence 5, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-807-104-5

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   12.5%;  Pred. No. 2.8e+03;
  Matches    2;  Conservative   12;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2177 TTTTTTTTTTAACTTT 2192
              ::::: ::::| |:::
Db          2 UUUUUAUUUUAGCUUU 17


RESULT 2861
US-08-951-924A-5/c
; Sequence 5, Application US/08951924A
; Patent No. 5876964
;  GENERAL INFORMATION:
;    APPLICANT:  Croteau, Rodney B
;    APPLICANT:  Wildung, Mark R
;    APPLICANT:  Burke, Charles
;    APPLICANT:  Gershenzon, Jonathan
;    TITLE OF INVENTION:  GERANYL DIPHOSPHATE SYNTHASE FROM MINT
;    TITLE OF INVENTION:  (MENTHA PIPERITA)
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CHRISTENSEN, O'CONNOR, JOHNSON AND KINDNESS
;      STREET:  1420 FIFTH AVENUE
;      CITY:  SEATTLE
;      STATE:  WASHINGTON
;      COUNTRY:  USA
;      ZIP:  WA 98101-2347
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/951,924A
;      FILING DATE:
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Shelton, Dennis K
;      REGISTRATION NUMBER:  26,997
;      REFERENCE/DOCKET NUMBER:  WSUR 1 11217
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  206 695 1718
;      TELEFAX:  206 224 0779
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  "Oligonucleotide PCR primer
;      DESCRIPTION:  pMp 13R"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Mentha piperita
US-08-951-924A-5

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        319 CGCCGAATATCAGCCG 334
              |||| || ||||||||
Db         18 CGCCCAAAATCAGCCG 3


RESULT 2862
US-08-500-860A-18
; Sequence 18, Application US/08500860A
; Patent No. 5891679
;  GENERAL INFORMATION:
;    APPLICANT:  LUCAS, RUDOLPH
;    APPLICANT:  DE BAETSELIER, PATRICK
;    APPLICANT:  FRANSEN, LUCIE
;    APPLICANT:  SABLON, ERWIN
```

```
;    TITLE OF INVENTION:  TNF-MUTEINS, A PROCESS FOR PREPARING THEM AND
;    TITLE OF INVENTION:  THEIR USE AS ACTIVE SUBSTANCES IN PHARMACEUTICAL COMPOSITIONS
;    NUMBER OF SEQUENCES:  36
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/500,860A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BYRNE, THOMAS E.
;      REGISTRATION NUMBER:  32,205
;      REFERENCE/DOCKET NUMBER:  1487-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)816-4000
;      TELEFAX:  (703)816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-500-860A-18

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        434 CTGCACCAGCCGGCGC 449
              ||||||| ||||| ||
Db          1 CTGCACCCGCCGGGGC 16


RESULT 2863
US-08-912-129A-29/c
; Sequence 29, Application US/08912129A
; Patent No. 5922533
;  GENERAL INFORMATION:
;    APPLICANT:  VALLARI, ANADRUZELA S.
;    APPLICANT:  HACKETT, JOHN JR.
;    APPLICANT:  HICKMAN, ROBERT K.
;    APPLICANT:  VARITEK, VINCENT A. JR.
;    APPLICANT:  NECKLAWS, ELIZABETH A.
;    APPLICANT:  GOLDEN, ALAN M.
;    APPLICANT:  BRENNAN, CATHERINE A.
;    APPLICANT:  DEVARE, SUSHIL G.
;    TITLE OF INVENTION:  RAPID ASSAY FOR SIMULTANEOUS DETECTION AND DIFFERENTIATIO
;    NUMBER OF SEQUENCES:  89
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Abbott Laboratories
;      STREET:  100 Abbott Park Road
;      CITY:  Abbott Park
;      STATE:  IL
;      COUNTRY:  USA
;      ZIP:  60064-3500
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette, 1.44 MB
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS (Windows 95)
;      SOFTWARE:  Microsoft Word (ASCII format output)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/912,129A
;      FILING DATE:  15-AUG-1997
;      CLASSIFICATION:  436
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Danckers, Andreas M.
;      REGISTRATION NUMBER:  32,652
;      REFERENCE/DOCKET NUMBER:  6109.US.01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  847-937-9803
;      TELEFAX:  847-938-2623
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  29:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-912-129A-29

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        718 CCTGTTGCTGCACGAT 733
              |||| ||||| |||||
Db         17 CCTGCTGCTGTACGAT 2


RESULT 2864
US-08-504-538A-16/c
; Sequence 16, Application US/08504538A
; Patent No. 6004746
;  GENERAL INFORMATION:
;    APPLICANT:  Brent, Roger
;    APPLICANT:  McCoy, John M.
;    APPLICANT:  Jessen, Timm H.
;    TITLE OF INVENTION:  INTERACTION TRAP SYSTEMS FOR DETECTING
;    TITLE OF INVENTION:  PROTEIN INTERACTIONS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Clark & Elbing LLP
;      STREET:  176 Federal Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02110-2214
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/504,538A
;      FILING DATE:  07/20/95
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/278,082
;      FILING DATE:  07/20/94
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul T. Clark
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  00786/259001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 428-0200
;      TELEFAX:  (617) 428-7045
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
```

; LENGTH: 19
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-504-538A-16

Query Match 0.5%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 2.8e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy        211 CGAGGATCGCCACGAC 226
              ||||||||||| || |
Db         16 CGAGGATCGCCCCGTC 1
```

RESULT 2865
US-08-480-068-5
; Sequence 5, Application US/08480068
; Patent No. 6111095
; GENERAL INFORMATION:
; APPLICANT: BENSELER, FRITZ
; APPLICANT: COLE, JAMES L.
; APPLICANT: OLSEN, DAVID B.
; APPLICANT: KUO, LAWRENCE C.
; TITLE OF INVENTION: CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JOANNE M. GIESSER - MERCK & CO., INC.
; STREET: 126 EAST LINCOLN AVENUE - P.O. BOX 2000
; CITY: RAHWAY
; STATE: NJ
; COUNTRY: US
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,068
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: GIESSER, JOANNE M
; REGISTRATION NUMBER: 32,838
; REFERENCE/DOCKET NUMBER: 19406
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 908-594-3046
; TELEFAX: 908-594-4720
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
; FEATURE:
; NAME/KEY: Modified Base
; LOCATION: 1...1
; OTHER INFORMATION:
; NAME/KEY: Modified Base
; LOCATION: 1...1
; OTHER INFORMATION:
US-08-480-068-5

Query Match 0.5%; Score 12.8; DB 1; Length 19;
Best Local Similarity 12.5%; Pred. No. 2.8e+03;
Matches 2; Conservative 12; Mismatches 2; Indels 0; Gaps 0;

```
Qy       2177 TTTTTTTTTTAACTTT 2192
              ::::: :::::| |:::
Db          2 UUUUUAUUUUAGCUUU 17
```

RESULT 2866
US-09-630-377-5
; Sequence 5, Application US/09630377
; Patent No. 6232078
; GENERAL INFORMATION:
; APPLICANT: LEE, Hong-Kyu
; APPLICANT: PARK, Kyong-Soo
; APPLICANT: SHIN, Chan-Soo
; TITLE OF INVENTION: Method for diagnosing preclinical diabetes by quantification o
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LEE, Hong-Kyu
; STREET: Dongseong Villa 1-303, #138-1, Kugi-dong,
; STREET: Chongno-gu
; CITY: Seoul
; STATE: Seoul
; COUNTRY: Republic of Korea
; ZIP: 110-011
; ADDRESSEE: PARK, Kyong-Soo
; STREET: Dongik Park 2-710, #355-98, Kalhyeon-dong,
; STREET: Eunpyong-gu
; CITY: Seoul
; STATE: Seoul
; COUNTRY: Republic of Korea
; ZIP: 122-050
; ADDRESSEE: SHIN, Chan-Soo
; STREET: Hanyang Apt. 2-1107, Apkujung-dong, Kangnam-gu
; CITY: Seoul
; STATE: Seoul
; COUNTRY: Republic of Korea
; ZIP: 135-110
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5inch, 1.44MB storage
; COMPUTER: IBM PC/AT
; OPERATING SYSTEM: Windows
; SOFTWARE: Microsoft Word
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/630,377
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: KR 1997-5382
; FILING DATE: 21-February-1997
; APPLICATION NUMBER: U.S.S.N. 09/027,504
; FILING DATE: 20-February-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: David Toren
; REGISTRATION NUMBER: 19,468
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 278-1000
; TELEFAX: (212) 278-1733
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligonucleotide DNA
US-09-630-377-5

Query Match 0.5%; Score 12.8; DB 1; Length 19;
Best Local Similarity 87.5%; Pred. No. 2.8e+03;
Matches 14; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy          85 GACCCCGATTTTGGAT 100
               |||| |||| ||||||
Db           3 GACCTCGATGTTGGAT 18


RESULT 2867
US-09-338-907-536/c
; Sequence 536, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 536
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 4-58-318.mis2
US-09-338-907-536

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2259 TTTGCATATTTATTTC 2274
              ||||||  ||||||||
Db         19 TTTGCAAGTTTATTTC 4


RESULT 2868
US-09-061-764A-3
; Sequence 3, Application US/09061764A
; Patent No. 6284879
;  GENERAL INFORMATION:
;    APPLICANT:  Faustman, Denise L
;    TITLE OF INVENTION:  TRANSPORT ASSOCIATED PROTEIN SPLICE VARIANTS
;    TITLE OF INVENTION:  AND MODEL FOR IMMUNE DIVERSITY
;    NUMBER OF SEQUENCES:  23
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Yankwich & Associates
;      STREET:  130 Bishop Allen Drive
;      CITY:  Cambridge
;      STATE:  Massachusetts
;      COUNTRY:  United States of America
;      ZIP:  02139
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.50 inch, 1.44Mb storage
;      COMPUTER:  IBM PC Compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  Microsoft Word 97 SR-1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/061,764A
;      FILING DATE:  April 16, 1998
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Yankwich, Leon R
;      REGISTRATION NUMBER:  30,237
;      REFERENCE/DOCKET NUMBER:  MGH-002.0 US/MHG-1247.0
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-491-4343
;      TELEFAX:  617-491-8801
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  synthetic DNA fragment
US-09-061-764A-3

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1539 TAGGAGAGTAGGGAAG 1554
              |||| ||| |||||||
Db          4 TAGGGGAGAAGGGAAG 19


RESULT 2869
US-09-218-207-536/c
; Sequence 536, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 536
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 4-58-318.mis2
US-09-218-207-536

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2259 TTTGCATATTTATTTC 2274
              ||||||  ||||||||
Db         19 TTTGCAAGTTTATTTC 4


RESULT 2870
US-08-973-137-5
; Sequence 5, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
```

```
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-973-137-5

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   12.5%;  Pred. No. 2.8e+03;
  Matches    2;  Conservative   12;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2177 TTTTTTTTTTAACTTT 2192
              ::::: ::::| |:::
Db          2 UUUUUAUUUUAGCUUU 17


RESULT 2871
US-08-630-052-16/c
; Sequence 16, Application US/08630052
; Patent No. 6399296
;  GENERAL INFORMATION:
;    APPLICANT:  Brent, Roger
;    APPLICANT:  McCoy, John M.
;    APPLICANT:  Jessen, Timm H.
;    APPLICANT:  Xu, Chanxing Wilson
;    TITLE OF INVENTION:  INTERACTION TRAP SYSTEMS FOR DETECTING PROTEIN
;    TITLE OF INVENTION:  INTERACTIONS
;    NUMBER OF SEQUENCES:  28
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson, P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/630,052
;      FILING DATE:
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/504,538
;      FILING DATE:  July 20, 1995
;      APPLICATION NUMBER:  08/278,082
;      FILING DATE:  July 20, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Karen F. Lech
;      REGISTRATION NUMBER:  35,238
;      REFERENCE/DOCKET NUMBER:  00786/311001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
US-08-630-052-16

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        211 CGAGGATCGCCACGAC 226
              |||||||||||  || |
Db         16 CGAGGATCGCCCCGTC 1


RESULT 2872
US-09-216-393B-337/c
; Sequence 337, Application US/09216393B
; Patent No. 6514694
; GENERAL INFORMATION:
;  APPLICANT: Milhausen, Michael James
;  TITLE OF INVENTION: TOXOPLASMA GONDII PROTEINS, NUCLEIC ACID MOLECULES, AND USES THEI
;  FILE REFERENCE: TX-1-C2
;  CURRENT APPLICATION NUMBER: US/09/216,393B
;  CURRENT FILING DATE:  1998-12-18
;  PRIOR APPLICATION NUMBER: 08/994,825
;  PRIOR FILING DATE: 1997-12-19
;  NUMBER OF SEQ ID NOS: 366
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 337
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer
US-09-216-393B-337

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1648 GCCTTCACTGGTTCTG 1663
              ||||| |||| |||||
Db         19 GCCTTGACTGCTTCTG 4
```

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RESULT 2873
US-09-422-978-4047
; Sequence 4047, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4047
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-12914 for SEQ 113,
US-09-422-978-4047

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1532 GAAAGGTTAGGAGAGT 1547
              ||||| |||||||||
Db          3 GAAAGAATAGGAGAGT 18


RESULT 2874
US-09-422-978-5276/c
; Sequence 5276, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5276
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-23123 for SEQ 1342,
US-09-422-978-5276

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2155 TTTTTTTCTCCTTTTT 2170
              | |||||||||||  ||
Db         18 TCTTTTTCTCCTTGTT 3


RESULT 2875
US-09-422-978-7450/c
; Sequence 7450, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7450
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-4799 for SEQ 3516,
US-09-422-978-7450

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2611 TCAGAAAGCAATAACT 2626
              | |||| |||||||||
Db         16 TGAGAAGGCAATAACT 1


RESULT 2876
US-09-422-978-7656
; Sequence 7656, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7656
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-9921 for SEQ 3722,
US-09-422-978-7656

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
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  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2736 ATTGTTGTGTGTATGA 2751
              | |||||| |||||||
Db          1 AGTGTTGTTTGTATGA 16


RESULT 2877
US-09-422-978-10441/c
; Sequence 10441, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 10441
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: downstream amplification primer 99-11917 for SEQ 2576, in complem
US-09-422-978-10441

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        883 ATACAAAGTGACAGTG 898
              |||| || ||||||||
Db         18 ATACGAAATGACAGTG 3


RESULT 2878
US-09-422-978-11179/c
; Sequence 11179, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11179
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: downstream amplification primer 99-3167 for SEQ 3314, in compleme
US-09-422-978-11179

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1540 AGGAGAGTAGGGAAGG 1555
              ||||||| || |||||
Db         18 AGGAGAGAAGAGAAGG 3


RESULT 2879
US-09-831-642-14/c
; Sequence 14, Application US/09831642
; Patent No. 6635751
; GENERAL INFORMATION:
;  APPLICANT: HAZE, Kyosuke et al.
;  TITLE OF INVENTION: ENDOPLASMIC RETICULUM STRESS TRANSCRIPTION FACTORS ATF6 AND CREB-
;  FILE REFERENCE: 1422-0474P
;  CURRENT APPLICATION NUMBER: US/09/831,642
;  CURRENT FILING DATE:  2001-05-11
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-831-642-14

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        985 TGGAGGCCGGTCCTTG 1000
              ||||||||| || |||
Db         17 TGGAGGCCGTTCATTG 2


RESULT 2880
US-09-831-642-52
; Sequence 52, Application US/09831642
; Patent No. 6635751
; GENERAL INFORMATION:
;  APPLICANT: HAZE, Kyosuke et al.
;  TITLE OF INVENTION: ENDOPLASMIC RETICULUM STRESS TRANSCRIPTION FACTORS ATF6 AND CREB-
;  FILE REFERENCE: 1422-0474P
;  CURRENT APPLICATION NUMBER: US/09/831,642
;  CURRENT FILING DATE:  2001-05-11
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Ricinus communis
US-09-831-642-52

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1787 CCATTCTTTCCTTCTC 1802
              |||||||||  || |||
Db          1 CCATTCTTTGCTGCTC 16


RESULT 2881
US-09-672-717-167/c
; Sequence 167, Application US/09672717
; Patent No. 6673917
; GENERAL INFORMATION:
;  APPLICANT: Korneluk, Robert G.
;  APPLICANT:  LaCasse, Eric
;  APPLICANT:  Baird, Stephen
```

```
;  APPLICANT:  Holcik, Martin
;  APPLICANT:  Young, Sean
;  TITLE OF INVENTION: Antisense IAP Nucleic Acids and Uses
;  TITLE OF INVENTION:  Thereof
;  FILE REFERENCE: 07891/025001
;  CURRENT APPLICATION NUMBER: US/09/672,717
;  CURRENT FILING DATE:  2000-09-28
;  NUMBER OF SEQ ID NOS: 231
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 167
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: based on Homo sapiens
US-09-672-717-167

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1431 TCATAGACAAATCCTA 1446
                ||| ||| ||||||||
Db         18 TCAGAGAAAAATCCTA 3


RESULT 2882
PCT-US91-03680-6
; Sequence 6, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  1
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  15
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  19
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "1,3-propanediol"
PCT-US91-03680-6

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTT 2181
                ||||||| ||||| ||
Db          2 TTTTTTTCTTTTTCTT 17


RESULT 2883
PCT-US91-03680-6/c
; Sequence 6, Application PC/TUS9103680
;  GENERAL INFORMATION:
;    APPLICANT:  Matteucci, Mark D.
;    APPLICANT:  Krawczyk, Steven
;    TITLE OF INVENTION:  SEQUENCE-SPECIFIC NONPHOTOACTIVATED
;    TITLE OF INVENTION:  CROSSLINKING AGENTS WHICH BIND TO THE MAJOR GROOVE OF
;    TITLE OF INVENTION:  DUPLEX DNA
;    NUMBER OF SEQUENCES:  158
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Morrison & Foerster
;      STREET:  545 Middlefield Road, Suite 200
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US91/03680
;      FILING DATE:  19910524
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Murashige, Kate H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  4610-0011.40
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-327-7250
;      TELEFAX:  415-327-2951
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  1
;      OTHER INFORMATION:  /mod_base= OTHER
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;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  9
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  15
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "5-methylcytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  18
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "N4,N4-ethanocytosine"
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  19
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "1,3-propanediol"
PCT-US91-03680-6

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2801
              || ||||| |||||||
Db         17 AAGAAAAAGAAAAAA 2


RESULT 2884
PCT-US95-09307-16/c
; Sequence 16, Application PC/TUS9509307
;  GENERAL INFORMATION:
;    APPLICANT:  Brent, Roger
;    APPLICANT:  McCoy, John M.
;    APPLICANT:  Jessen, Timm H.
;    APPLICANT:  Xu, Chanxing Wilson
;    TITLE OF INVENTION:  INTERACTION TRAP SYSTEMS FOR
;    TITLE OF INVENTION:  DETECTING PROTEIN INTERACTIONS
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson, P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  USA
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/09307
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul T. Clark
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  00786/288001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
PCT-US95-09307-16

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        211 CGAGGATCGCCACGAC 226
              |||||||||||  || |
Db         16 CGAGGATCGCCCCGTC 1


RESULT 2885
5498600-15
;Patent No. 5498600
;    APPLICANT: MURRAY, MARK J.;KELLY, JAMES D.
;    TITLE OF INVENTION: BIOLOGICALLY ACTIVE MOSAIC PROTEINS
;    NUMBER OF SEQUENCES: 34
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/319,776
;      FILING DATE: 07-OCT-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: 926,149
;      FILING DATE: 05-AUG-1992
;      APPLICATION NUMBER: 379,239
;      FILING DATE: 11-JUL-1989
;      APPLICATION NUMBER: 941,970
;      FILING DATE: 15-DEC-1986
;      APPLICATION NUMBER: 896,485
;      FILING DATE: 3-AUG-1986
;      APPLICATION NUMBER: 705,175
;      FILING DATE: 25-FEB-1985
;      APPLICATION NUMBER: 660,496
;      FILING DATE: 12-OCT-1984
;SEQ ID NO:15:
;      LENGTH: 19
5498600-15

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 19;
  Best Local Similarity   87.5%;  Pred. No. 2.8e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       1469 CCAGCTGATTCTAACA 1484
              ||||||| |||||| |
Db          4 CCAGCTGTTTCTAAGA 19


RESULT 2886
US-09-583-447A-29/c
; Sequence 29, Application US/09583447A
; Patent No. 6645745
; GENERAL INFORMATION:
;  APPLICANT: WOJNOWSKI, Leszek
;  APPLICANT:  GELLNER, Klaus
;  APPLICANT:  EISELT, Regina
;  TITLE OF INVENTION: IDENTIFICATION OF A NEW MEMBER OF THE CYTOCHROME P450 3A
;  TITLE OF INVENTION:  (CYP3A) GENE FAMILY: CYP3AX
;  FILE REFERENCE: 310115.401
;  CURRENT APPLICATION NUMBER: US/09/583,447A
;  CURRENT FILING DATE:  2000-05-30
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-583-447A-29

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 20;
  Best Local Similarity   87.5%;  Pred. No. 3e+03;
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  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        757 CATTTCCATGACCAAG 772
              ||||||||||  | |||
Db         20 CATTTCCATGGCAAAG 5


RESULT 2887
US-09-344-914-83
; Sequence 83, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 83
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-83

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 20;
  Best Local Similarity   87.5%;  Pred. No. 3e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2268 TTATTTCAGATGTTTC 2283
              ||||||||  ||||||
Db          1 TTATTTCATTTGTTTC 16


RESULT 2888
US-09-191-170-99/c
; Sequence 99, Application US/09191170
; Patent No. 6429199
; GENERAL INFORMATION:
;  APPLICANT: Krieg, Arthur M.
;  APPLICANT: Hartmann, Gunther
;  TITLE OF INVENTION: Immunostimulatory Nucleic Acid Molecules
;  TITLE OF INVENTION: for Activating Dendritic Cells
;  FILE REFERENCE: C1039/7017
;  CURRENT APPLICATION NUMBER: US/09/191,170
;  CURRENT FILING DATE: 1998-11-13
;  EARLIER APPLICATION NUMBER: US 08/960,774
;  EARLIER FILING DATE: 1997-10-30
;  EARLIER APPLICATION NUMBER: US 08/738,652
;  EARLIER FILING DATE: 1996-10-30
;  EARLIER APPLICATION NUMBER: US 08/386,063
;  EARLIER FILING DATE: 1995-02-07
;  EARLIER APPLICATION NUMBER: US 08/276,358
;  EARLIER FILING DATE: 1994-07-15
;  NUMBER OF SEQ ID NOS: 99
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 99
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic oligonucleotide
US-09-191-170-99

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 20;
  Best Local Similarity   87.5%;  Pred. No. 3e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2179 TTTTTTTTAACTTTGA 2194
              |||||||| ||| ||||
Db         20 TTTTTTTCAACGTTGA 5


RESULT 2889
US-09-422-978-9728/c
; Sequence 9728, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9728
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..21
;   OTHER INFORMATION: downstream amplification primer 99-6979 for SEQ 1863, in complemer
US-09-422-978-9728

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 21;
  Best Local Similarity   87.5%;  Pred. No. 3.2e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAA 2800
              |||  ||||||||||
Db         21 GAAGGAAAAAAAAAAA 6


RESULT 2890
US-09-688-990-19
; Sequence 19, Application US/09688990
; Patent No. 6682907
; GENERAL INFORMATION:
;  APPLICANT: CHARNEAU, PIERRE
;  APPLICANT:  ZENNOU, VERONIQUE
;  APPLICANT:  FIRAT, HUSEYIN
;  TITLE OF INVENTION: USE OF TRIPLEX STRUCTURE DNA SEQUENCES FOR TRANSFERRING
;  TITLE OF INVENTION:  NUCLEOTIDE SEQUENCES
;  FILE REFERENCE: 03495.0199
;  CURRENT APPLICATION NUMBER: US/09/688,990
;  CURRENT FILING DATE:  2000-10-17
;  PRIOR APPLICATION NUMBER: PCT/FR99/00974
;  PRIOR FILING DATE: 1999-04-23
;  NUMBER OF SEQ ID NOS: 33
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
;   LENGTH: 22
;   TYPE: DNA
;   ORGANISM: Lentivirus
US-09-688-990-19

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 22;
  Best Local Similarity   87.5%;  Pred. No. 3.3e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||||| |||||| |||
Db          1 AAAAAGAAAAAAGAAA 16


RESULT 2891
US-09-429-499-3
```

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; Sequence 3, Application US/09429499
; Patent No. 6143504
; GENERAL INFORMATION:
;  APPLICANT: DAS, SOMA
;  APPLICANT: LEDBETTER, DAVID H.
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS OF FRAGILE X
;  TITLE OF INVENTION: SYNDROME
;  FILE REFERENCE: ARCD:302
;  CURRENT APPLICATION NUMBER: US/09/429,499
;  CURRENT FILING DATE: 1999-10-27
;  EARLIER APPLICATION NUMBER: 60/105,892
;  EARLIER FILING DATE: 1998-10-27
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 23
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-429-499-3

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 23;
  Best Local Similarity   87.5%;  Pred. No. 3.4e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        410 GCGTACGCCGCCGCCA 425
              ||| |||||||||||
Db          1 GCGCCCGCCGCCGCCA 16


RESULT 2892
US-09-750-401-20/c
; Sequence 20, Application US/09750401
; Patent No. 6635422
; GENERAL INFORMATION:
;  APPLICANT: Keene, Jack  D.
;  APPLICANT:  Carson, Craig C.
;  APPLICANT:  Tenenbaum, Scott A.
;  TITLE OF INVENTION: Methods for isolating and characterizing endogenous mRNA-protein
;  TITLE OF INVENTION:  complexes
;  FILE REFERENCE: RBN-001
;  CURRENT APPLICATION NUMBER: US/09/750,401
;  CURRENT FILING DATE:  2000-12-28
;  PRIOR APPLICATION NUMBER: US 60/173,338
;  PRIOR FILING DATE: 1999-12-28
;  NUMBER OF SEQ ID NOS: 37
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
;   LENGTH: 23
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: 3'-UTR sequence of Neuronal-Cadherin
US-09-750-401-20

  Query Match             0.5%;  Score 12.8;  DB 1;  Length 23;
  Best Local Similarity   87.5%;  Pred. No. 3.4e+03;
  Matches   14;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAA 2801
              ||||||||  ||||||
Db         23 AAAAAAAATTAAAAAA 8


RESULT 2893
US-08-496-631-3
; Sequence 3, Application US/08496631
; Patent No. 5728548
;  GENERAL INFORMATION:
;    APPLICANT:  Bowman, Michael
;    TITLE OF INVENTION:  STEROID RECEPTOR RR1
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/496,631
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5248
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-496-631-3

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 14;
  Best Local Similarity   92.3%;  Pred. No. 1.4e+03;
  Matches   12;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTA 2187
              ||||||||||||:
Db          1 TTTTTTTTTTTTM 13


RESULT 2894
US-08-496-631-3/c
; Sequence 3, Application US/08496631
; Patent No. 5728548
;  GENERAL INFORMATION:
;    APPLICANT:  Bowman, Michael
;    TITLE OF INVENTION:  STEROID RECEPTOR RR1
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/496,631
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5248
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
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;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-496-631-3

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 14;
  Best Local Similarity   92.3%;  Pred. No. 1.4e+03;
  Matches   12;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2797
              :||||||||||||
Db         13 KAAAAAAAAAAAA 1


RESULT 2895
US-09-345-882-105/c
; Sequence 105, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
;  TITLE OF INVENTION:  AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
;  FILE REFERENCE: GENSET.031A
;  CURRENT APPLICATION NUMBER: US/09/345,882
;  CURRENT FILING DATE:  1999-06-30
;  PRIOR APPLICATION NUMBER: US 60/091,315
;  PRIOR FILING DATE: 1998-06-30
;  PRIOR APPLICATION NUMBER: US 60/111,909
;  PRIOR FILING DATE: 1998-12-10
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: Patent.pm
; SEQ ID NO 105
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 5-129-144.mis1
US-09-345-882-105

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2179 TTTTTTTTAACTTTGAAAG 2197
              |||||||||| | | | ||
Db         19 TTTTTTTTAATTATAAGAG 1


RESULT 2896
US-09-475-947A-12
; Sequence 12, Application US/09475947A
; Patent No. 6472154
; GENERAL INFORMATION:
;  APPLICANT: Garner, Harold R.
;  APPLICANT:  Wren, Jonathan D.
;  APPLICANT:  Minna, John D.
;  TITLE OF INVENTION: Polymorphic Repeats in Human Genes
;  FILE REFERENCE: UTSD0667
;  CURRENT APPLICATION NUMBER: US/09/475,947A
;  CURRENT FILING DATE:  1999-12-31
;  NUMBER OF SEQ ID NOS: 346
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: human
US-09-475-947A-12

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTT 2184
              ||| ||| ||| ||||| |
Db          1 TTTCTTTCTTTCTTTTTCT 19


RESULT 2897
US-08-271-942A-119/c
; Sequence 119, Application US/08271942A
; Patent No. 5550020
;  GENERAL INFORMATION:
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  123
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/271,942A
;      FILING DATE:  08-JUL-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  119:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 27 of human RB1 gene
US-08-271-942A-119

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2639 TGTTGGGCTGAACCCTAAG 2657
              |||| || |||  ||||||
Db         19 TGTTTGGGTGATTCCTAAG 1


RESULT 2898
US-07-977-284A-142/c
; Sequence 142, Application US/07977284A
```

```
; Patent No. 5558988
;  GENERAL INFORMATION:
;    APPLICANT:  Prockop, Darwin J.
;    APPLICANT:  Ala-Kokko, Leena
;    APPLICANT:  Williams, Charlene J.
;    APPLICANT:  Ritvaniemi, Pertti
;    APPLICANT:  Baldwin, Clinton
;    APPLICANT:  Hopkinson, Ian
;    APPLICANT:  Ahmad, Nilofer Nina
;    TITLE OF INVENTION:  METHODS OF DETECTING A GENETIC
;    TITLE OF INVENTION:  PREDISPOSITION FOR OSTEOARTHRITIS
;    NUMBER OF SEQUENCES:  261
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock, Washburn, Kurtz, Mackiewicz & No. 5558988ris
;      STREET:  One Liberty Place, 46th floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/977,284A
;      FILING DATE:  13-NOV-1992
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  DeLuca, Mark
;      REGISTRATION NUMBER:  33,229
;      REFERENCE/DOCKET NUMBER:  TJU-0697
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  142:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    ANTI-SENSE:  NO
US-07-977-284A-142

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        885 ACAAAGTGACAGTGGCTGA 903
              |||| | ||||||  ||||
Db         19 ACAAGGGGACAGTTCCTGA 1


RESULT 2899
US-08-079-110A-2
; Sequence 2, Application US/08079110A
; Patent No. 5571711
;  GENERAL INFORMATION:
;    APPLICANT:  van der Bruggen, Pierre; Boon-Falleur,
;    APPLICANT:  Thierry; Coulie, Pierre; Renauld, Jean-Christophe
;    TITLE OF INVENTION:  ISOLATED NUCLEIC ACID MOLECULES
;    TITLE OF INVENTION:  CODING FOR BAGE TUMOR REJECTION ANTIGEN PRECURSORS
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Felfe & Lynch
;      STREET:  805 Third Avenue
;      CITY:  New York City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10022
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 5.25 inch, 360 kb storage
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/079,110A
;      FILING DATE:  17-JUN-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hanson, No. 5571711man D.
;      REGISTRATION NUMBER:  30,946
;      REFERENCE/DOCKET NUMBER:  LUD 5310
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 688-9200
;      TELEFAX:  (212) 838-3884
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-079-110A-2

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        894 CAGTGGCTGAAGTACAGAG 912
              |||  | |||||  ||||||
Db          1 CAGAAGATGAAGCACAGAG 19


RESULT 2900
US-08-317-431A-10/c
; Sequence 10, Application US/08317431A
; Patent No. 5650277
;  GENERAL INFORMATION:
;    APPLICANT:  Nir Navot and Nurit Eyal
;    TITLE OF INVENTION:  A method of determining the presence and
;    TITLE OF INVENTION:  quantifying the number of di- and
;    TITLE OF INVENTION:  trinucleotide repeats and instrument and
;    TITLE OF INVENTION:  kits therefore
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Mark M. Friedman c/o Robert Sheinbein
;      STREET:  2940 Birchtree space lane
;      CITY:  Silver Spring
;      STATE:  Maryland
;      COUNTRY:  United States of America
;      ZIP:  20906
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  1.44 megabyte, 3.5" microdisk
;      COMPUTER:  Chicony NB5500/386SX
;      OPERATING SYSTEM:  MS DOS version 6.2,
;      OPERATING SYSTEM:  Windows version 3.1
;      SOFTWARE:  Word for Windows version 2.0
;      SOFTWARE:  conv. to ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/317,431A
;      FILING DATE:  4-Oct-94
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/084,505
;      FILING DATE:  1-Jul-93
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Friedmam, Mark M.
;      REGISTRATION NUMBER:  33,883
;      REFERENCE/DOCKET NUMBER:  128/8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  972-3-6938541
;      TELEFAX:  972-3-6938542
;      TELEX:
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```
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-317-431A-10

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        451 CACAGGCAGCCAGCAGCAG 469
              ||   ||| ||||||||||
Db         19 CATCAGCATCCAGCAGCAG 1


RESULT 2901
US-08-598-591-49
; Sequence 49, Application US/08598591
; Patent No. 5654155
;  GENERAL INFORMATION:
;    APPLICANT:  Allen, Antonette C.
;    APPLICANT:  Alvares, Christopher P.
;    APPLICANT:  Critz, Brenda S.
;    APPLICANT:  Murphy Patricia D.
;    APPLICANT:  Olson, Sheri J.
;    APPLICANT:  Schelter, Denise B.
;    APPLICANT:  Zeng, Bin
;    TITLE OF INVENTION:  A Consensus Sequence of the Human BRCA1 Gene
; Patent No. 5654155
;    NUMBER OF SEQUENCES:  74
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BURNS, DOANE, SWECKER & MATHIS
;      STREET:  699 Prince St.
;      CITY:  Alexandria
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22314
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/598,591
;      FILING DATE:  herewith
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Swecker, Robert S.
;      REGISTRATION NUMBER:  19,885
;      REFERENCE/DOCKET NUMBER:  020160-282
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-836-6620
;      TELEFAX:  703-836-2021
;  INFORMATION FOR SEQ ID NO:  49:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    ORIGINAL SOURCE:
;      STRAIN:  15F primer
US-08-598-591-49

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1224 TGGCGGCCCAGCAACTGTG 1242
              |||| |||||| || | ||
Db          1 TGGCTGCCCAGGAAGTATG 19


RESULT 2902
US-08-302-449-6
; Sequence 6, Application US/08302449
; Patent No. 5679635
;  GENERAL INFORMATION:
;    APPLICANT:  Matalon, Reuben
;    APPLICANT:  Kaul, Rajinder
;    APPLICANT:  Cao, Guang Ping
;    APPLICANT:  Balamurugan, Kuppareddi
;    APPLICANT:  Michals-Matalon, Kimberlee
;    TITLE OF INVENTION:  Aspartoacylase Gene, Protein, and
;    TITLE OF INVENTION:  Methods of Screening for Mutations Associated with Canavan
;    TITLE OF INVENTION:  Disease
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Millen, White, Zelano & Branigan, P.C.
;      STREET:  2200 Clarendon Boulevard, Suite 1400
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/302,449
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/128,020
;      FILING DATE:  29-SEP-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/07430
;      FILING DATE:  05-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hamlet-King, Diana
;      REGISTRATION NUMBER:  33,302
;      REFERENCE/DOCKET NUMBER:  SHUTT 2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-243-6333
;      TELEFAX:  703-243-6410
;      TELEX:  64191
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  1
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "The M13 universal primer tag is attached
;      OTHER INFORMATION:  to base number 1."
US-08-302-449-6

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1488 CCCTGGAGAAAATGGAGAA 1506
              ||  |  ||||||||||||
Db          1 CCGGGATGAAAATGGAGAA 19


RESULT 2903
US-08-196-630A-2
; Sequence 2, Application US/08196630A
; Patent No. 5683886
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  van der Bruggen, Pierre
;    APPLICANT:  Boon-Falleur, Thierry
;    TITLE OF INVENTION:  ISOLATED PEPTIDES WHICH FORM
;    TITLE OF INVENTION:  COMPLEXES WITH MHC MOLECULE HLA-C-CLONE 10 AND USES
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Felfe & Lynch
;      STREET:  805 Third Avenue
;      CITY:  New York City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10022
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 5.25 inch, 360 kb storage
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/196,630A
;      FILING DATE:  15-FEB-1994
;      CLASSIFICATION:  436
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/079,110
;      FILING DATE:  17-JUN-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hanson, No. 5683886man D.
;      REGISTRATION NUMBER:  30,946
;      REFERENCE/DOCKET NUMBER:  LUD 5310.1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 688-9200
;      TELEFAX:  (212) 838-3884
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-196-630A-2

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        894 CAGTGGCTGAAGTACAGAG 912
              ||| | ||||| ||||||
Db          1 CAGAAGATGAAGCACAGAG 19


RESULT 2904
US-08-196-630A-5
; Sequence 5, Application US/08196630A
; Patent No. 5683886
;  GENERAL INFORMATION:
;    APPLICANT:  van der Bruggen, Pierre
;    APPLICANT:  Boon-Falleur, Thierry
;    TITLE OF INVENTION:  ISOLATED PEPTIDES WHICH FORM
;    TITLE OF INVENTION:  COMPLEXES WITH MHC MOLECULE HLA-C-CLONE 10 AND USES
;    TITLE OF INVENTION:  THEREOF
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Felfe & Lynch
;      STREET:  805 Third Avenue
;      CITY:  New York City
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  10022
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 5.25 inch, 360 kb storage
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  PC-DOS
;      SOFTWARE:  Wordperfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/196,630A
;      FILING DATE:  15-FEB-1994
;      CLASSIFICATION:  436
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/079,110
;      FILING DATE:  17-JUN-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hanson, No. 5683886man D.
;      REGISTRATION NUMBER:  30,946
;      REFERENCE/DOCKET NUMBER:  LUD 5310.1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 688-9200
;      TELEFAX:  (212) 838-3884
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-196-630A-5

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        894 CAGTGGCTGAAGTACAGAG 912
              ||| | ||||| ||||||
Db          1 CAGAAGATGAAGCACAGAG 19


RESULT 2905
US-08-564-860A-5
; Sequence 5, Application US/08564860A
; Patent No. 5736332
;  GENERAL INFORMATION:
;    APPLICANT:  Mandecki, Wlodek
;    TITLE OF INVENTION:  METHOD OF DETERMINING THE SEQUENCE OF
;    TITLE OF INVENTION:  NUCLEIC ACIDS EMPLOYING SOLID-PHASE PARTICLES CARRYING
;    TITLE OF INVENTION:  TRANSPONDERS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BRINKS, HOFER, GILSON & LIONE
;      STREET:  NBC Tower - Suite 3600, 455 N. Cityfront
;      STREET:  Plaza Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60611-5599
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/564,860A
;      FILING DATE:  30-NOV-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Martin, Alice O.
;      REGISTRATION NUMBER:  35,601
;      REFERENCE/DOCKET NUMBER:  7295/4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-321-4200
;      TELEFAX:  312-321-4299
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-564-860A-5
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  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGAACCCCA 1789
              ||||||||||  | ||  ||
Db          1 TTTTTTTTTTGGTACTGCA 19


RESULT 2906
US-08-602-903-7
; Sequence 7, Application US/08602903
; Patent No. 5741647
;  GENERAL INFORMATION:
;    APPLICANT:  Tam, Joseph Wing On
;    TITLE OF INVENTION:  THE FLOW THROUGH NUCLEIC ACID
;    TITLE OF INVENTION:  HYBRIDISATION USES THEREOF AND A DEVICE THEREOF
;    NUMBER OF SEQUENCES:  10
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/602,903
;      FILING DATE:
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Chan, Albert Wai-Kit
;      REGISTRATION NUMBER:  36,479
;      REFERENCE/DOCKET NUMBER:  47808/AKC
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-278-0400
;      TELEFAX:  212-391-0525
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-602-903-7

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1245 AAGAATTCACAGAACTTCT 1263
              |||  |  |||  |||||  |||
Db          1 AAGGACTCAAAGAACCTCT 19


RESULT 2907
US-08-086-630C-138/c
; Sequence 138, Application US/08086630C
; Patent No. 5747449
;  GENERAL INFORMATION:
;    APPLICANT:  Ignace Lasters, Marc De Maeyer
;    APPLICANT:  and William Charles Ripka
;    TITLE OF INVENTION:  BOVINE PANCREATIC TRYPSIN INHIBITOR
;    TITLE OF INVENTION:  DERIVED INHIBITORS OF FACTOR Xa
;    NUMBER OF SEQUENCES:  284
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/086,630C
;      FILING DATE:  July 1, 1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                1
;      APPLICATION NUMBER:  07/913,232
;      FILING DATE:  July 13, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  202/210
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  138:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-086-630C-138

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1390 GGTGTCTGCCCTGCAGAAC 1408
              ||||  |||||  ||||  |  |
Db         19 GGTGGCTGCCTTGCAAAGC 1


RESULT 2908
US-08-798-691-53
; Sequence 53, Application US/08798691
; Patent No. 5750400
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Patricia D.
;    APPLICANT:  Allen, Antonette C.
;    APPLICANT:  Alvares, Christopher P.
;    APPLICANT:  Critz, Brenda S.
;    APPLICANT:  Olson, Sheri J.
;    APPLICANT:  Schelter, Denise B.
;    APPLICANT:  Zeng, Bin
;    TITLE OF INVENTION:  Coding Sequences of the Human
;    TITLE OF INVENTION:  BRCA1 Gene
;    NUMBER OF SEQUENCES:  72
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  ONCORMED
;      STREET:  200 Perry Parkway
;      CITY:  Gaithersberg
;      STATE:  MD
;      COUNTRY:  USA
;      ZIP:  20877
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/798,691
;      FILING DATE:  12-Feb-97
```

```
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Thomas Gallegos
;       REGISTRATION NUMBER:  32,692
;       REFERENCE/DOCKET NUMBER:  PA-0054CIP
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  301-527-2051
;       TELEFAX:  301-208-6997
;   INFORMATION FOR SEQ ID NO:  53:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  not relevant
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     ORIGINAL SOURCE:
;       STRAIN:  15F primer
US-08-798-691-53

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1224 TGGCGGCCCAGCAACTGTG 1242
              |||| |||||| || | ||
Db          1 TGGCTGCCCAGGAAGTATG 19


RESULT 2909
US-08-665-565B-2
; Sequence 2, Application US/08665565B
; Patent No. 5763239
;  GENERAL INFORMATION:
;    APPLICANT:  Short, Jay
;    TITLE OF INVENTION:  Production and Use of No. 5763239malized DNA
;    TITLE OF INVENTION:  Libraries
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/665,565B
;      FILING DATE:  June 18, 1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  09010/019001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-665-565B-2

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2910
US-08-665-565B-4
; Sequence 4, Application US/08665565B
; Patent No. 5763239
;  GENERAL INFORMATION:
;    APPLICANT:  Short, Jay
;    TITLE OF INVENTION:  Production and Use of No. 5763239malized DNA
;    TITLE OF INVENTION:  Libraries
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/665,565B
;      FILING DATE:  June 18, 1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  09010/019001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-665-565B-4

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2911
US-08-431-896B-6/c
; Sequence 6, Application US/08431896B
; Patent No. 5773244
;  GENERAL INFORMATION:
;    APPLICANT:  Ares, Manuel, Jr.
;    APPLICANT:  Ford, Ethan E.
;    TITLE OF INVENTION:  RNA Cyclase Ribozymes
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
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;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/431,896B
;      FILING DATE:  01-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/063,857
;      FILING DATE:  19-MAY-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Weber, Kenneth A.
;      REGISTRATION NUMBER:  31,677
;      REFERENCE/DOCKET NUMBER:  02307E-070000US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-431-896B-6

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2686 GAAATGGAGATTTGGAATT 2704
              | |||||  ||||||| ||
Db         19 GTAATGGCTATTTGGATTT 1


RESULT 2912
US-08-607-384A-40/c
; Sequence 40, Application US/08607384A
; Patent No. 5849488
;  GENERAL INFORMATION:
;    APPLICANT:  ALATOSSAVA, JOUKO TAPANI
;    APPLICANT:  FORSMAN, P IVI TUULIKKI
;    APPLICANT:  TILSALA-TIMISJ RVI, ANU KYLLIKKI
;    TITLE OF INVENTION:  DNA SEQUENCE-BASED DIAGNOSIS OF MASTITIS
;    TITLE OF INVENTION:  FROM A MILK SAMPLE
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/607,384A
;      FILING DATE:  27-FEB-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BYRNE, THOMAS E.
;      REGISTRATION NUMBER:  32,205
;      REFERENCE/DOCKET NUMBER:  227-75
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 816-4000
;      TELEFAX:  (703) 816-4100
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-607-384A-40

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1584 GCACAGACTGGGAACCCCT 1602
              ||||  |||||||  |||
Db         19 GCACTTACTGGGAATTCCT 1


RESULT 2913
US-08-791-883-5
; Sequence 5, Application US/08791883
; Patent No. 5879890
;  GENERAL INFORMATION:
;    APPLICANT:  LAKEN, STEVE
;    APPLICANT:  GRUBER, STEPHEN
;    APPLICANT:  PETERSEN, GLORIA
;    APPLICANT:  KINZLER, KENNETH
;    APPLICANT:  VOGELSTEIN, BERT
;    TITLE OF INVENTION:  APC MUTATION ASSOCIATED WITH
;    TITLE OF INVENTION:  FAMILIAL COLORECTAL CANCER IN ASHKENAZI JEWS
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Banner & Witcoff, Ltd.
;      STREET:  1001 G Street, N.W.
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20001
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/791,883
;      FILING DATE:  31-JAN-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kagan, Sarah A
;      REGISTRATION NUMBER:  32,145
;      REFERENCE/DOCKET NUMBER:  01107.03734
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-508-9100
;      TELEFAX:  202-508-9299
;      TELEX:  97430 BMB UT
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-791-883-5

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        363 AGCTGGCCTACTCCCAGTC 381
              ||||| |||| | ||| ||
Db          1 AGCTGACCTAGTTCCAATC 19


RESULT 2914
US-08-474-450A-41
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; Sequence 41, Application US/08474450A
; Patent No. 5882856
;  GENERAL INFORMATION:
;    APPLICANT:  SHUBER, ANTHONY P.
;    TITLE OF INVENTION:  UNIVERSAL PRIMER SEQUENCE FOR MULTIPLEX
;    TITLE OF INVENTION:  DNA AMPLIFICATION
;    NUMBER OF SEQUENCES:  65
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  RAE-VENTER LAW GROUP
;      STREET:  260 Sheridan Ave., Ste. 440
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/474,450A
;      FILING DATE:  7-JUNE-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rae-Venter, Barbara
;      REGISTRATION NUMBER:  32,750
;      REFERENCE/DOCKET NUMBER:  GECO.001.00US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 328-4400
;      TELEFAX:  (650) 328-4477
;  INFORMATION FOR SEQ ID NO:  41:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "GCR 4-PLEX PRIMER SEQUENCE
;      DESCRIPTION:  - exon 9"
US-08-474-450A-41

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2418 TGTAAATACTGGTGCACTT 2436
                || || |||||  ||||||
Db          1 TGCAACTACTGAGGCACTT 19


RESULT 2915
US-08-256-426B-142/c
; Sequence 142, Application US/08256426B
; Patent No. 5948611
;  GENERAL INFORMATION:
;    APPLICANT:  Prockop, Darwin J.
;    APPLICANT:  Ala-Kokko, Leena
;    APPLICANT:  Williams, Charlene J.
;    APPLICANT:  Ritvaniemi, Pertti
;    APPLICANT:  Baldwin, Clinton
;    APPLICANT:  Hopkinson, Ian
;    APPLICANT:  Ahmad, Nilofer Nina
;    TITLE OF INVENTION:  Methods of Detecting A Genetic
;    NUMBER OF SEQUENCES:  293
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Woodcock Washburn Kurtz Mackiewicz & No. 5948611ris
;      STREET:  One Liberty Place - 46th Floor
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19103
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows 3.1
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/256,426B
;      FILING DATE:  03-FEB-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/10964
;      FILING DATE:  12-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/977,284
;      FILING DATE:  13-NOV-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Mark DeLuca
;      REGISTRATION NUMBER:  33,229
;      REFERENCE/DOCKET NUMBER:  TJU-1082
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-3100
;      TELEFAX:  (215) 568-3439
;  INFORMATION FOR SEQ ID NO:  142:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  SINGLE
;      TOPOLOGY:  LINEAR
;    ANTI-SENSE:  NO
US-08-256-426B-142

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       885 ACAAAGTGACAGTGGCTGA 903
             |||| | ||||||  ||||
Db        19 ACAAGGGGACAGTTCCTGA 1


RESULT 2916
US-08-801-898A-8/c
; Sequence 8, Application US/08801898A
; Patent No. 5998602
;  GENERAL INFORMATION:
;    APPLICANT:  Torrence, Paul F.
;    APPLICANT:  Silverman, Robert H.
;    APPLICANT:  Cirino, Nick M.
;    APPLICANT:  Li, Guiying
;    APPLICANT:  Xiao, Wei
;    TITLE OF INVENTION:  RNASE L ACTIVATORS AND ANTISENSE
;    TITLE OF INVENTION:  OLIGONUCLEOTIDES EFFECTIVE TO TREAT RSV INFECTIONS
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Pennie & Edmonds LLP
;      STREET:  1155 Avenue of the Americas
;      CITY:  New York
;      STATE:  NY
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/801,898A
;      FILING DATE:  18-FEB-1997
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Poissant, Brian M.
;      REGISTRATION NUMBER:  28,462
;      REFERENCE/DOCKET NUMBER:  8656-009
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-790-9090
```

```
;       TELEFAX:  212-869-9741
;       TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  8:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
;     FEATURE:
;       NAME/KEY:  Activator-antisense complex
;       LOCATION:  1...19
;       OTHER INFORMATION:  spA4-antiRSV3'-3'T/(51-69)
US-08-801-898A-8

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1732 ATCAGAAGGTGACAAGTAC 1750
              || ||||  ||| ||||||
Db         19 ATAAGAATTTGATAAGTAC 1


RESULT 2917
US-09-034-724-2
; Sequence 2, Application US/09034724
; Patent No. 6001574
;  GENERAL INFORMATION:
;    APPLICANT:  Short, Jay; Mathur, Eric
;    TITLE OF INVENTION:  Production and Use of No. 6001574malized DNA Libraries
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/034,724
;      FILING DATE:  March 4, 1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/665,565
;      FILING DATE:  June 18, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  09010/033001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-034-724-2

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2918
US-09-034-724-4
; Sequence 4, Application US/09034724
; Patent No. 6001574
;  GENERAL INFORMATION:
;    APPLICANT:  Short, Jay; Mathur, Eric
;    TITLE OF INVENTION:  Production and Use of No. 6001574malized DNA Libraries
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/034,724
;      FILING DATE:  March 4, 1998
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/665,565
;      FILING DATE:  June 18, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  09010/033001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-034-724-4

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2919
US-09-023-673-5
; Sequence 5, Application US/09023673
; Patent No. 6013461
;  GENERAL INFORMATION:
;    APPLICANT:  LAKEN, STEVE
;    APPLICANT:  GRUBER, STEPHEN
;    APPLICANT:  PETERSEN, GLORIA
;    APPLICANT:  KINZLER, KENNETH
;    APPLICANT:  VOGELSTEIN, BERT
;    TITLE OF INVENTION:  APC MUTATION ASSOCIATED WITH
;    TITLE OF INVENTION:  FAMILIAL COLORECTAL CANCER IN ASHKENAZI JEWS
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Banner & Witcoff, Ltd.
;      STREET:  1001 G Street, N.W.
;      CITY:  Washington
;      STATE:  DC
```

```
;       COUNTRY:  USA
;       ZIP:  20001
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  DOS
;       SOFTWARE:  FastSEQ for Windows Version 2.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/023,673
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/791,883
;       FILING DATE:  31-JAN-1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Kagan, Sarah A
;       REGISTRATION NUMBER:  32,145
;       REFERENCE/DOCKET NUMBER:  01107.03734
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  202-508-9100
;       TELEFAX:  202-508-9299
;       TELEX:  97430 BMB UT
;  INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-023-673-5

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        363 AGCTGGCCTACTCCCAGTC 381
              ||||| |||| | ||| ||
Db          1 AGCTGACCTAGTTCCAATC 19


RESULT 2920
US-09-013-114-5
; Sequence 5, Application US/09013114
; Patent No. 6046003
;  GENERAL INFORMATION:
;    APPLICANT:  Mandecki, Wlodek
;    TITLE OF INVENTION:  METHOD OF DETERMINING THE SEQUENCE OF
;    TITLE OF INVENTION:  NUCLEIC ACIDS EMPLOYING SOLID-PHASE PARTICLES CARRYING
;    TITLE OF INVENTION:  TRANSPONDERS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BRINKS, HOFER, GILSON & LIONE
;      STREET:  NBC Tower - Suite 3600, 455 N. Cityfront
;      STREET:  Plaza Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60611-5599
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/013,114
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/564,860
;      FILING DATE:  30-NOV-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Martin, Alice O.
;      REGISTRATION NUMBER:  35,601
;      REFERENCE/DOCKET NUMBER:  7295/4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312-321-4200
;      TELEFAX:  312-321-4299
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-013-114-5

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGAACCCCA 1789
              |||||||||| | ||  ||
Db          1 TTTTTTTTTTGGTACTGCA 19


RESULT 2921
US-08-825-487A-53
; Sequence 53, Application US/08825487A
; Patent No. 6048689
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Patricia D.
;    APPLICANT:  White, Marga B.
;    TITLE OF INVENTION:  METHODS FOR IDENTIFYING VARIATIONS IN  POLYNUCLEOTIDE SEQUENCE
;    NUMBER OF SEQUENCES:  110
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Howrey & Simon
;      STREET:  1299 Pennyslvania Avenue., N.W.
;      CITY:  Washington,
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/825,487A
;      FILING DATE:  28-MAR-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US98/060002
;      FILING DATE:  26-Mar-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Albert P. Halluin
;      REGISTRATION NUMBER:  25,227
;      REFERENCE/DOCKET NUMBER:  05371.0012.999
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-463-8100
;      TELEFAX:  650-463-8400
;  INFORMATION FOR SEQ ID NO:  53:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    ORIGINAL SOURCE:
;      STRAIN:  15F primer
US-08-825-487A-53

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1224 TGGCGGCCCAGCAACTGTG 1242
```

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                    |||| |||||| || | ||
Db          1 TGGCTGCCCAGGAAGTATG 19


RESULT 2922
US-08-779-916A-119/c
; Sequence 119, Application US/08779916A
; Patent No. 6063567
;  GENERAL INFORMATION:
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    APPLICANT:  Hui, May
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  123
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/779,916A
;      FILING DATE:  07-JAN-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/271,942
;      FILING DATE:  08-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-US2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  119:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 27 of human RB1 gene
US-08-779-916A-119

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2639 TGTTGGGCTGAACCCTAAG 2657
                |||| || |||  ||||||
Db         19 TGTTTGGGTGATTCCTAAG 1


RESULT 2923
US-08-988-706-22
; Sequence 22, Application US/08988706
; Patent No. 6083698
;  GENERAL INFORMATION:
;    APPLICANT:  OLSEN, Sheri J.
;    APPLICANT:  ANGELLY, Tracy S.
;    APPLICANT:  LAWRENCE, Tammy
;    APPLICANT:  LESCALLETT, Jennifer L.
;    APPLICANT:  MURPHY, Patricia D.
;    APPLICANT:  ALLEN, Antonette P.
;    APPLICANT:  THRUBER, Denise B.
;    APPLICANT:  WHITE, Marga B.
;    APPLICANT:  ZENG, Bin
;    APPLICANT:  SADZEWICZ, Lisa K.
;    TITLE OF INVENTION:  CANCER SUSCEPTIBILITY MUTATIONS OF BRCA1
;    NUMBER OF SEQUENCES:  55
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oncormed, Inc.
;      STREET:  205 Perry Parkway
;      CITY:  Gaithersburg
;      STATE:  MD
;      COUNTRY:  USA
;      ZIP:  20877
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/988,706
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  TARCZA, John E.
;      REGISTRATION NUMBER:  33,638
;      REFERENCE/DOCKET NUMBER:  PA-0108
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  301-208-1888
;      TELEFAX:  301-926-6125
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "PRIMER"
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  HOMO SAPIENS
;      STRAIN:  BRCA1
US-08-988-706-22

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1224 TGGCGGCCCAGCAACTGTG 1242
                |||| |||||| || | ||
Db          1 TGGCTGCCCAGGAAGTATG 19


RESULT 2924
US-08-573-186-2
; Sequence 2, Application US/08573186
; Patent No. 6093540
;  GENERAL INFORMATION:
;    APPLICANT:  van der Bruggen, Pierre; Boon-Falleur,
;    APPLICANT:  Thierry; Coulie, Pierre; Renauld, Jean-Christophe
;    TITLE OF INVENTION:  ISOLATED NUCLEIC ACID MOLECULES
;    TITLE OF INVENTION:  CODING FOR BAGE TUMOR REJECTION ANTIGEN PRECURSORS
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Felfe & Lynch
;      STREET:  805 Third Avenue
```

```
;       CITY:  New York City
;       STATE:  New York
;       COUNTRY:  USA
;       ZIP:  10022
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 5.25 inch, 360 kb storage
;       COMPUTER:  IBM PS/2
;       OPERATING SYSTEM:  PC-DOS
;       SOFTWARE:  Wordperfect
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/573,186
;       FILING DATE:  15-DEC-1995
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/079,110
;       FILING DATE:  17-JUN-1993
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hanson, No. 6093540man D.
;       REGISTRATION NUMBER:  30,946
;       REFERENCE/DOCKET NUMBER:  LUD 5310
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (212) 688-9200
;       TELEFAX:  (212) 838-3884
;   INFORMATION FOR SEQ ID NO:  2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-573-186-2

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        894 CAGTGGCTGAAGTACAGAG 912
              |||  | ||||| ||||||
Db          1 CAGAAGATGAAGCACAGAG 19


RESULT 2925
US-09-191-099-10
; Sequence 10, Application US/09191099
; Patent No. 6096323
; GENERAL INFORMATION:
;  APPLICANT: Walker, Richard L.
;  APPLICANT: Read, Deryck H.
;  APPLICANT: Hird, David W.
;  APPLICANT: LeFebvre, Rance B.
;  APPLICANT: Berry, Steven L.
;  APPLICANT: Cullor, James S.
;  APPLICANT: Lefler, Hank M.
;  APPLICANT: The Regents of the University of California
;  TITLE OF INVENTION: Vaccine Against Papillomatous Digital Dermatitis (PDD)
;  FILE REFERENCE: 023070-081110US
;  CURRENT APPLICATION NUMBER: US/09/191,099
;  CURRENT FILING DATE: 1998-11-12
;  EARLIER APPLICATION NUMBER: US 08/943,571
;  EARLIER FILING DATE: 1997-10-03
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:reverse primer
;   OTHER INFORMATION: (E. coli complement bases 1510 to 1492
US-09-191-099-10

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2926
US-09-074-476-53
; Sequence 53, Application US/09074476
; Patent No. 6130322
;  GENERAL INFORMATION:
;    APPLICANT:  Murphy, Patricia D.
;    APPLICANT:  Allen, Antonette C.
;    APPLICANT:  Alvares, Christopher P.
;    APPLICANT:  Critz, Brenda S.
;    APPLICANT:  Olson, Sheri J.
;    APPLICANT:  Thurber, Denise
;    APPLICANT:  Zeng, Bin
;    TITLE OF INVENTION:  Coding Sequences of the Human
;    TITLE OF INVENTION:  BRCA1 Gene
;    NUMBER OF SEQUENCES:  72
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Howrey & Simon
;      STREET:  1299 Pennsylvania Avenue N. W.
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/074,476
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  09/074,453
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Albert P. Halluin
;      REGISTRATION NUMBER:  25,227
;      REFERENCE/DOCKET NUMBER:  5371.34.US01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-463-8109
;      TELEFAX:  650-463-8400
;  INFORMATION FOR SEQ ID NO:  53:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  not relevant
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    ORIGINAL SOURCE:
;      STRAIN:  15F primer
US-09-074-476-53

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1224 TGGCGGCCCAGCAACTGTG 1242
              |||| |||||| || | ||
Db          1 TGGCTGCCCAGGAAGTATG 19


RESULT 2927
US-09-081-576-11
; Sequence 11, Application US/09081576A
; Patent No. 6180111
; GENERAL INFORMATION:
;  APPLICANT:  STEIN, Daniel C.
```

```
;  TITLE OF INVENTION:  VACCINE DELIVERY SYSTEM
;  FILE REFERENCE:  2747-0097-27 CIP (8014-014)
;  CURRENT APPLICATION NUMBER: US/09/081,576A
;  CURRENT FILING DATE:  1998-05-19
;  PRIOR APPLICATION NUMBER:  US 08/936,522
;  PRIOR FILING DATE:  1997-09-23
;  PRIOR APPLICATION NUMBER:  US 08/443,514
;  PRIOR FILING DATE:  1995-05-18
;  NUMBER OF SEQ ID NOS:  13
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Neisseria gonorrhoeae
US-09-081-576-11

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2226 AATGACATGTTCCCTTAAG 2244
              |||  |||| | |||||||
Db          1 AATCGCATGATTCCTTAAG 19


RESULT 2928
US-08-983-466-72
; Sequence 72, Application US/08983466
; Patent No. 6207372
;  GENERAL INFORMATION:
;    APPLICANT:  SHUBER, ANTHONY P.
;    TITLE OF INVENTION:  UNIVERSAL PRIMER SEQUENCE FOR MULTIPLEX
;    TITLE OF INVENTION:  DNA AMPLIFICATION
;    NUMBER OF SEQUENCES:  95
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  RAE-VENTER LAW GROUP
;      STREET:  260 Sheridan Ave., Ste. 440
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/983,466
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/474,450
;      FILING DATE:  07-JUNE-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO96/41012
;      FILING DATE:  06-JUNE-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rae-Venter, Barbara
;      REGISTRATION NUMBER:  32,750
;      REFERENCE/DOCKET NUMBER:  GECO.001.01US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 328-4400
;      TELEFAX:  (650) 328-4477
;  INFORMATION FOR SEQ ID NO:  72:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "GCR 4-PLEX PRIMER SEQUENCE
;      DESCRIPTION:  - exon 9"
US-08-983-466-72

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2418 TGTAAATACTGGTGCACTT 2436
              || || |||||  ||||||
Db          1 TGCAACTACTGAGGCACTT 19


RESULT 2929
US-09-216-909-5
; Sequence 5, Application US/09216909
; Patent No. 6207440
; GENERAL INFORMATION:
;  APPLICANT: HOVANEC, TIMOTHY
;  TITLE OF INVENTION: BACTERIAL NITRITE OXIDIZER AND METHOD OF USE THEREOF
;  FILE REFERENCE: nitrite oxidizer
;  CURRENT APPLICATION NUMBER: US/09/216,909
;  CURRENT FILING DATE: 1998-12-21
;  EARLIER APPLICATION NUMBER: 60/068,492
;  EARLIER FILING DATE: 1997-12-22
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Oligonucleotide
;   OTHER INFORMATION: primer
US-09-216-909-5

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2930
US-09-038-637-25/c
; Sequence 25, Application US/09038637
; Patent No. 6235470
;  GENERAL INFORMATION:
;    APPLICANT:  Sidransky, David
;    TITLE OF INVENTION:  DETECTION OF NEOPLASIM BY ANALYSIS OF SALIVA
;    NUMBER OF SEQUENCES:  195
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/038,637
;      FILING DATE:  10-MAR-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/579,233
;      FILING DATE:  28-DEC-1995
;      APPLICATION NUMBER:  08/152,313
;      FILING DATE:  12-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
```

```
;      REFERENCE/DOCKET NUMBER:  07265/146001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
US-09-038-637-25

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1524 GGAACGAAGAAAGGTTAGG 1542
             |||| |||| ||||  |||
Db         19 GGAAGGAAGGAAGGAAAGG 1


RESULT 2931
US-09-038-637-57
; Sequence 57, Application US/09038637
; Patent No. 6235470
;  GENERAL INFORMATION:
;    APPLICANT:  Sidransky, David
;    TITLE OF INVENTION:  DETECTION OF NEOPLASIM BY ANALYSIS OF SALIVA
;    NUMBER OF SEQUENCES:  195
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows 95
;      SOFTWARE:  FastSEQ for Windows Version 2.0b
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/038,637
;      FILING DATE:  10-MAR-1998
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/579,233
;      FILING DATE:  28-DEC-1995
;      APPLICATION NUMBER:  08/152,313
;      FILING DATE:  12-NOV-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07265/146001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  57:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
US-09-038-637-57

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1524 GGAACGAAGAAAGGTTAGG 1542
             |||| |||| ||||  |||
Db          1 GGAAGGAAGGAAGGAAAGG 19


RESULT 2932
US-09-702-843-5
; Sequence 5, Application US/09702843
; Patent No. 6265206
; GENERAL INFORMATION:
;  APPLICANT:  HOVANEC, TIMOTHY
;  TITLE OF INVENTION:  BACTERIAL NITRITE OXIDIZER AND METHOD OF USE THEREOF
;  FILE REFERENCE:  nitrite oxidizer
;  CURRENT APPLICATION NUMBER: US/09/702,843
;  CURRENT FILING DATE:  2000-11-01
;  PRIOR APPLICATION NUMBER:  09/216,909
;  PRIOR FILING DATE:  1998-10-16
;  NUMBER OF SEQ ID NOS:  7
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Oligonucleotide
;   OTHER INFORMATION: primer
US-09-702-843-5

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
             |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2933
US-09-338-907-468/c
; Sequence 468, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 468
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 99-123-184.mis1
US-09-338-907-468

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        134 AACTGGCGACTGTTTTGGG 152
              | |||| || |||| ||||
Db         19 AGCTGGTGAATGTTCTGGG 1
```

```
RESULT 2934
US-09-702-847-5
; Sequence 5, Application US/09702847
; Patent No. 6268154
; GENERAL INFORMATION:
;  APPLICANT:  HOVANEC, TIMOTHY
;  TITLE OF INVENTION:  BACTERIAL NITRITE OXIDIZER AND METHOD OF USE THEREOF
;  FILE REFERENCE:  nitrite oxidizer
;  CURRENT APPLICATION NUMBER: US/09/702,847
;  CURRENT FILING DATE:  2000-11-01
;  PRIOR APPLICATION NUMBER:  09/216,909
;  PRIOR FILING DATE:  1998-10-16
;  NUMBER OF SEQ ID NOS:  7
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Oligonucleotide
;   OTHER INFORMATION: primer
US-09-702-847-5

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
                 |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2935
US-08-943-571-4
; Sequence 4, Application US/08943571
; Patent No. 6287575
;  GENERAL INFORMATION:
;    APPLICANT:  Walker, Richard L.
;    APPLICANT:  Read, Deryck H.
;    APPLICANT:  Hird, David W.
;    APPLICANT:  LeFebvre, Rance B.
;    APPLICANT:  Berry, Steven L.
;    APPLICANT:  Cullor, James S.
;    APPLICANT:  Lefler, Hank M.
;    TITLE OF INVENTION:  Vaccine Against Pappillomatous Digital
;    TITLE OF INVENTION:  Dermatitis (PDD)
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcadero Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/943,571
;      FILING DATE:  03-OCT-1997
;      CLASSIFICATION:  424
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parent, Annette S.
;      REGISTRATION NUMBER:  42,058
;      REFERENCE/DOCKET NUMBER:  02307O-081100US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  -
;      LOCATION:  1..19
;      OTHER INFORMATION:  /note= "reverse primer"
US-08-943-571-4

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
                 |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2936
US-08-968-733-25/c
; Sequence 25, Application US/08968733
; Patent No. 6291163
;  GENERAL INFORMATION:
;    APPLICANT:  Sidransky, David
;    TITLE OF INVENTION:  METHOD FOR DETECTING CELL
;    TITLE OF INVENTION:  PROLIFERATION DISORDERS
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows95
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/968,733
;      FILING DATE:  28-AUG-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/025,805
;      FILING DATE:  28-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07265/097001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
US-08-968-733-25

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1524 GGAACGAAGAAAGGTTAGG 1542
                 |||| |||| ||||  |||
Db         19 GGAAGGAAGGAAGGAAAGG 1


RESULT 2937
```

```
US-08-968-733-57
; Sequence 57, Application US/08968733
; Patent No. 6291163
;  GENERAL INFORMATION:
;    APPLICANT:  Sidransky, David
;    TITLE OF INVENTION:  METHOD FOR DETECTING CELL
;    TITLE OF INVENTION:  PROLIFERATION DISORDERS
;    NUMBER OF SEQUENCES:  64
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows95
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/968,733
;      FILING DATE:  28-AUG-1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/025,805
;      FILING DATE:  28-AUG-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Haile, Lisa A.
;      REGISTRATION NUMBER:  38,347
;      REFERENCE/DOCKET NUMBER:  07265/097001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619/678-5070
;      TELEFAX:  619/678-5099
;  INFORMATION FOR SEQ ID NO:  57:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  oligonucleotide
US-08-968-733-57

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1524 GGAACGAAGAAAGGTTAGG 1542
              |||| |||| ||||  |||
Db             1 GGAAGGAAGGAAGGAAAGG 19


RESULT 2938
US-09-218-207-468/c
; Sequence 468, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 468
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 99-123-184.mis1
US-09-218-207-468

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        134 AACTGGCGACTGTTTTGGG 152
              | |||| || |||| ||||
Db         19 AGCTGGTGAATGTTCTGGG 1


RESULT 2939
US-08-294-312B-38/c
; Sequence 38, Application US/08294312B
; Patent No. 6380369
; GENERAL INFORMATION:
;  APPLICANT: Adams et al.
;  TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
;  FILE REFERENCE: PF106P2
;  CURRENT APPLICATION NUMBER: US/08/294,312B
;  CURRENT FILING DATE:  1994-08-23
;  PRIOR APPLICATION NUMBER: 08/210,143
;  PRIOR FILING DATE: 1994-03-16
;  PRIOR APPLICATION NUMBER: 08/187,757
;  PRIOR FILING DATE: 1994-01-27
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer useful for amplifying codons 326 to 729 of hMLH1
US-08-294-312B-38

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        604 CGACCTGCTGCTGCCCCAC 622
              |||  |||||||||  || |
Db         19 CGATGTGCTGCTGCACCCC 1


RESULT 2940
US-09-549-853-6
; Sequence 6, Application US/09549853
; Patent No. 6391558
; GENERAL INFORMATION:
;  APPLICANT: Henkens, Robert W.
;  APPLICANT:  O'Daly, John P.
;  APPLICANT:  Wojciechowski, Marek W.
;  APPLICANT:  Zhang, Honghua W.
;  APPLICANT:  Naser, Najih W.
;  APPLICANT:  Roe, R. M.
;  APPLICANT:  Stewart, Thomas N.
;  APPLICANT:  Thompson, Deborah M.
;  APPLICANT:  Sundseth, Rebecca
;  APPLICANT:  Wegner, Steven E.
;  TITLE OF INVENTION: ELECTROCHEMICAL DETECTION OF NUCLEIC ACID SEQUENCES
;  FILE REFERENCE: 4320.001800
;  CURRENT APPLICATION NUMBER: US/09/549,853
;  CURRENT FILING DATE:  2000-04-14
;  NUMBER OF SEQ ID NOS: 40
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 19
;   TYPE: DNA
```

```
;   ORGANISM: Artificial sequence
;   FEATURE:
;   OTHER INFORMATION: universal bacterial primer
US-09-549-853-6

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||    ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2941
US-09-345-882-136
; Sequence 136, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
;  TITLE OF INVENTION:  AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
;  FILE REFERENCE: GENSET.031A
;  CURRENT APPLICATION NUMBER: US/09/345,882
;  CURRENT FILING DATE:  1999-06-30
;  PRIOR APPLICATION NUMBER: US 60/091,315
;  PRIOR FILING DATE: 1998-06-30
;  PRIOR APPLICATION NUMBER: US 60/111,909
;  PRIOR FILING DATE: 1998-12-10
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: Patent.pm
; SEQ ID NO 136
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: microsequencing oligo for 99-1442-224.mis2
US-09-345-882-136

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2777 TTAGAATTGAAAAAAAAAA 2795
              ||| ||  ||| |||||||
Db          1 TTATAAGAGAAGAAAAAAA 19


RESULT 2942
US-09-345-882-136/c
; Sequence 136, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
;  TITLE OF INVENTION:  AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
;  FILE REFERENCE: GENSET.031A
;  CURRENT APPLICATION NUMBER: US/09/345,882
;  CURRENT FILING DATE:  1999-06-30
;  PRIOR APPLICATION NUMBER: US 60/091,315
;  PRIOR FILING DATE: 1998-06-30
;  PRIOR APPLICATION NUMBER: US 60/111,909
;  PRIOR FILING DATE: 1998-12-10
;  NUMBER OF SEQ ID NOS: 140
;  SOFTWARE: Patent.pm
; SEQ ID NO 136
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: microsequencing oligo for 99-1442-224.mis2
US-09-345-882-136

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2170 TTTTTTTTTTTTTTTTAA 2188
              ||||||| || | || |||
Db         19 TTTTTTTCTTCTCTTATAA 1


RESULT 2943
US-08-468-024B-38/c
; Sequence 38, Application US/08468024B
; Patent No. 6416984
; GENERAL INFORMATION:
;  APPLICANT: Haseltine et al.
;  TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
;  FILE REFERENCE: PF106P3
;  CURRENT APPLICATION NUMBER: US/08/468,024B
;  CURRENT FILING DATE:  1995-06-06
;  PRIOR APPLICATION NUMBER: 08/294,312
;  PRIOR FILING DATE: 1994-08-23
;  PRIOR APPLICATION NUMBER: 08/210,143
;  PRIOR FILING DATE: 1994-03-16
;  PRIOR APPLICATION NUMBER: 08/187,757
;  PRIOR FILING DATE: 1994-01-27
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer useful for amplifying codons 326 to 729 of hMLH1
US-08-468-024B-38

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        604 CGACCTGCTGCTGCCCCAC 622
              |||  |||||||||| || |
Db         19 CGATGTGCTGCTGCACCCC 1


RESULT 2944
US-09-437-905-2
; Sequence 2, Application US/09437905
; Patent No. 6444426
;  GENERAL INFORMATION:
;    APPLICANT:  Short, Jay; Mathur, Eric
;    TITLE OF INVENTION:  Production and Use of No. 6444426malized DNA Libraries
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  4225 Executive Square, Suite 1400
;      CITY:  La Jolla
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/437,905
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
```

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;       APPLICATION NUMBER:  09/034,724
;       FILING DATE:  March 4, 1998
;       APPLICATION NUMBER:  08/665,565
;       FILING DATE:  June 18, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Haile, Lisa A.
;       REGISTRATION NUMBER:  38,347
;       REFERENCE/DOCKET NUMBER:  09010/033001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619/678-5070
;       TELEFAX:  619/678-5099
;   INFORMATION FOR SEQ ID NO:  2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-09-437-905-2

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2945
US-09-437-905-4
; Sequence 4, Application US/09437905
; Patent No. 6444426
;  GENERAL INFORMATION:
;     APPLICANT:  Short, Jay; Mathur, Eric
;     TITLE OF INVENTION:  Production and Use of No. 6444426malized DNA Libraries
;     NUMBER OF SEQUENCES:  7
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Fish & Richardson P.C.
;       STREET:  4225 Executive Square, Suite 1400
;       CITY:  La Jolla
;       STATE:  CA
;       COUNTRY:  USA
;       ZIP:  92037
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/437,905
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  09/034,724
;       FILING DATE:  March 4, 1998
;       APPLICATION NUMBER:  08/665,565
;       FILING DATE:  June 18, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Haile, Lisa A.
;       REGISTRATION NUMBER:  38,347
;       REFERENCE/DOCKET NUMBER:  09010/033001
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619/678-5070
;       TELEFAX:  619/678-5099
;   INFORMATION FOR SEQ ID NO:  4:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-09-437-905-4

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2946
US-09-517-467B-4
; Sequence 4, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
;  APPLICANT: Ian Popoff
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
;  FILE REFERENCE: RTS-0150
;  CURRENT APPLICATION NUMBER: US/09/517,467B
;  CURRENT FILING DATE:  2001-03-02
;  PRIOR APPLICATION NUMBER: 09/517,467
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR Primer
US-09-517-467B-4

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1348 CCTGATTACCCACGGGTTT 1366
              ||||||  ||||||  |||
Db          1 CCTGATCCCCCACGACTTT 19


RESULT 2947
US-09-091-952A-114/c
; Sequence 114, Application US/09091952A
; Patent No. 6458532
;  GENERAL INFORMATION:
;       APPLICANT: Detera-Wadleigh, Sevilla D.
;                  Gershon, Elliot S.
;                  Badner, Judith A.
;                  Goldin, Lynn R.
;                  Berrettini, Wade H.
;                  Yoshikawa, Takeo
;                  Sanders, Alan R.
;                  Esterling, Lisa E.
;       TITLE OF INVENTION: Chromosomal Markers and Diagnostic
;                           Tests for Manic-Depressive Illness
;       NUMBER OF SEQUENCES: 197
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Townsend and Townsend and Crew LLP
;            STREET: Two Embarcadero Center, Eighth Floor
;            CITY: San Francisco
;            STATE: CA
;            COUNTRY: USA
;            ZIP: 94111-3834
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Diskette
;            COMPUTER: IBM Compatible
;            OPERATING SYSTEM: DOS
;            SOFTWARE: FastSEQ for Windows Version 2.0
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/091,952A
;            FILING DATE: 19-Apr-1999
;            CLASSIFICATION: <Unknown>
```

```
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: US 60/029,278
;            FILING DATE: 28-OCT-1996
;            APPLICATION NUMBER: PCT/US97/19381
;            FILING DATE: 28-OCT-1997
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Smith, Timothy L.
;            REGISTRATION NUMBER: 35,367
;            REFERENCE/DOCKET NUMBER: 015280-297100US
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (415) 576-0200
;            TELEFAX: (415) 576-0300
;            TELEX: <Unknown>
;   INFORMATION FOR SEQ ID NO: 114:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 19 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       MOLECULE TYPE: DNA
;       FEATURE:
;            NAME/KEY:  -
;            LOCATION:  1...19
;            OTHER INFORMATION:  Clone 3 forward primer
;       SEQUENCE DESCRIPTION: SEQ ID NO: 114:
US-09-091-952A-114

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2287 TAAACTTGAAAAGGGTAGG 2305
             ||||||||| |||  |||
Db         19 TAAACTTGATCAGGTCAGG 1


RESULT 2948
US-09-360-416-55/c
; Sequence 55, Application US/09360416
; Patent No. 6458536
; GENERAL INFORMATION:
;  APPLICANT: Richard A. Gatti
;  TITLE OF INVENTION: METHODS FOR DETECTION OF ATAXIA
;  TITLE OF INVENTION: TELANGIECTASIA MUTATIONS
;  FILE REFERENCE: 510015-222
;  CURRENT APPLICATION NUMBER: US/09/360,416
;  CURRENT FILING DATE: 1999-07-23
;  NUMBER OF SEQ ID NOS: 143
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 55
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Human
US-09-360-416-55

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        827 ACTGAGGTCTTCTGCTCAG 845
              ||||| || ||||| | ||
Db         19 ACTGATGTGTTCTGTTAAG 1


RESULT 2949
US-09-527-030G-206/c
; Sequence 206, Application US/09527030G
; Patent No. 6482588
; GENERAL INFORMATION:
;  APPLICANT: VAN DOORN, Leen-Jan et al.
;  TITLE OF INVENTION: Detection and identification of Human Papillomavirus by PCR and t
;  TITLE OF INVENTION:  specific reverse hybridization.
;  FILE REFERENCE: 3501-0101P
;  CURRENT APPLICATION NUMBER: US/09/527,030G
;  CURRENT FILING DATE:  2000-03-16
;  NUMBER OF SEQ ID NOS: 497
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 206
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Probe derived from the Human Papillomavirus (HPV)
US-09-527-030G-206

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        177 AAATAACCGATAATGTCAA 195
              ||||||  ||| ||| |||
Db         19 AAATAATTGATTATGCCAA 1


RESULT 2950
US-09-657-346A-13
; Sequence 13, Application US/09657346A
; Patent No. 6503754
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0135
;  CURRENT APPLICATION NUMBER: US/09/657,346A
;  CURRENT FILING DATE:  2000-09-07
;  NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 13
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR Probe
US-09-657-346A-13

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1369 CAGCCAGGCCATCTGTGCC 1387
              ||||||||||| | |  ||
Db          1 CAGCCAGGCCAGCCGCTCC 19


RESULT 2951
US-09-086-663A-38/c
; Sequence 38, Application US/09086663A
; Patent No. 6518063
; GENERAL INFORMATION:
;  APPLICANT: DUCY, PATRICIA
;  APPLICANT:  KARSENTY, GERARD
;  TITLE OF INVENTION: OSF2/CBFA1 COMPOSITIONS AND METHODS OF USE
;  FILE REFERENCE: UTSC:525
;  CURRENT APPLICATION NUMBER: US/09/086,663A
;  CURRENT FILING DATE:  1998-05-29
;  PRIOR APPLICATION NUMBER: 60/080,189
;  PRIOR FILING DATE: 1998-03-24
;  PRIOR APPLICATION NUMBER: 60/048,430
;  PRIOR FILING DATE: 1997-05-29
;  NUMBER OF SEQ ID NOS: 83
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 38
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
```

```
;   OTHER INFORMATION: Description of Artificial Sequence:  Synthetic
;   OTHER INFORMATION: Primer
US-09-086-663A-38

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        205 GGACTGCGAGGATCGCCAC 223
              || | |||| |||| ||||
Db         19 GGTCGGCGATGATCTCCAC 1


RESULT 2952
US-09-422-978-4078/c
; Sequence 4078, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4078
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-13193 for SEQ 144,
US-09-422-978-4078

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2539 GGTATTAAGAATTAAGAGG 2557
              ||  ||||| |||| ||||
Db         19 GGATTTAAGTATTAGGAGG 1


RESULT 2953
US-09-422-978-4399/c
; Sequence 4399, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4399
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-14843 for SEQ 465,
US-09-422-978-4399

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        927 CTGAATGCTTAAATGCCTC 945
              |||||||||  |||  |||
Db         19 CTGAATGCTGGAATTGCTC 1


RESULT 2954
US-09-422-978-4529/c
; Sequence 4529, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4529
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-15605 for SEQ 595,
US-09-422-978-4529

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1114 CTTTGCCTATGTCTGTGAA 1132
              ||||  ||||| ||| |||
Db         19 CTTTATCTATGGCTGAGAA 1


RESULT 2955
US-09-422-978-4550/c
; Sequence 4550, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
```

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; SEQ ID NO 4550
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-1577 for SEQ 616,
US-09-422-978-4550

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        753 GTCCCATTTCCATGACCAA 771
              ||||  ||||| || ||||
Db         19 GTCCTCTTTCCTTGCCCAA 1


RESULT 2956
US-09-422-978-4714/c
; Sequence 4714, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4714
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-17213 for SEQ 780,
US-09-422-978-4714

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1493 GAGAAAATGGAGAAACACA 1511
              ||||||||||   |||| |
Db         19 GAGAAAATGGCACAACATA 1


RESULT 2957
US-09-422-978-4795
; Sequence 4795, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 4795
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-17829 for SEQ 861,
US-09-422-978-4795

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2221 TTTGAAATGACATGTTCCC 2239
              ||||| |||| ||||  ||
Db          1 TTTGACATGATATGTGACC 19


RESULT 2958
US-09-422-978-5206/c
; Sequence 5206, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5206
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-22513 for SEQ 1272,
US-09-422-978-5206

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1405 GAACTACATCAAAGAAGCC 1423
              |||| ||| |||| ||| |
Db         19 GAACAACAACAAAAAAGGC 1


RESULT 2959
US-09-422-978-6914
; Sequence 6914, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
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;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6914
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-21361 for SEQ 2980,
US-09-422-978-6914

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        769 CAAGAACCCTCTGAACCTC 787
              ||| |||||| |  |||||
Db          1 CAAAAACCCTTTTTACCTC 19


RESULT 2960
US-09-422-978-7234/c
; Sequence 7234, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 7234
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-306 for SEQ 3300,
US-09-422-978-7234

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        919 GTCCCCACCTGAATGCTTA 937
              |||||||  | |||| |||
Db         19 GTCCCCATTTCAATGTTTA 1


RESULT 2961
US-09-422-978-8902/c
; Sequence 8902, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8902
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: downstream amplification primer 99-1948 for SEQ 1037, in compleme
US-09-422-978-8902

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1675 CCTGGACTTCTTAGTTGTT 1693
              ||| ||||| |  ||||||
Db         19 CCTTGACTTATGTGTTGTT 1


RESULT 2962
US-09-422-978-9136/c
; Sequence 9136, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9136
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: downstream amplification primer 99-22506 for SEQ 1271, in complem
US-09-422-978-9136

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1859 CCCACACACTTAGCCATTG 1877
              || || ||||| ||| |||
Db         19 CCTACTCACTTTGCCCTTG 1


RESULT 2963
US-09-422-978-9507/c
; Sequence 9507, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
```

```
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 9507
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: downstream amplification primer 99-5362 for SEQ 1642, in compleme
US-09-422-978-9507

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2566 CTCTGTTCTTGGCTTGGAA 2584
              ||||||  ||| | |||||
Db         19 CTCTGTGATTGCCCTGGAA 1


RESULT 2964
US-09-848-083-2
; Sequence 2, Application US/09848083
; Patent No. 6602675
; GENERAL INFORMATION:
;  APPLICANT: Short, Jay
;  APPLICANT:  Keller, Martin
;  TITLE OF INVENTION: HIGH THROUGHPUT SCREENING FOR NOVEL
;  TITLE OF INVENTION:  ENZYMES
;  FILE REFERENCE: DIVER1280
;  CURRENT APPLICATION NUMBER: US/09/848,083
;  CURRENT FILING DATE:  2001-05-03
;  PRIOR APPLICATION NUMBER: 08/876,276
;  PRIOR FILING DATE: 1997-06-16
;  NUMBER OF SEQ ID NOS: 2
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide for PCR
US-09-848-083-2

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
              |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2965
US-08-465-679-38/c
; Sequence 38, Application US/08465679
; Patent No. 6610477
; GENERAL INFORMATION:
;  APPLICANT: Haseltine et al.
;  TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
;  FILE REFERENCE: PF106P4
;  CURRENT APPLICATION NUMBER: US/08/465,679
;  CURRENT FILING DATE:  1995-06-06
;  PRIOR APPLICATION NUMBER: 08/294,312
;  PRIOR FILING DATE: 1994-08-23
;  PRIOR APPLICATION NUMBER: 08/210,143
;  PRIOR FILING DATE: 1994-03-16
;  PRIOR APPLICATION NUMBER: 08/187,757
;  PRIOR FILING DATE: 1994-01-27
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer useful for amplifying codons 326 to 729 of hMLH1
US-08-465-679-38

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        604 CGACCTGCTGCTGCCCCAC 622
              |||  ||||||||| || |
Db         19 CGATGTGCTGCTGCACCCC 1


RESULT 2966
US-08-210-143C-36/c
; Sequence 36, Application US/08210143C
; Patent No. 6620619
; GENERAL INFORMATION:
;  APPLICANT: Haseltine et al.
;  TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
;  FILE REFERENCE: PF106P1
;  CURRENT APPLICATION NUMBER: US/08/210,143C
;  CURRENT FILING DATE:  1994-03-16
;  PRIOR APPLICATION NUMBER: 08/187,757
;  PRIOR FILING DATE: 1994-01-27
;  NUMBER OF SEQ ID NOS: 45
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 36
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer useful for amplifying codons 326 to 729 of hMLH1
US-08-210-143C-36

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        604 CGACCTGCTGCTGCCCCAC 622
              |||  ||||||||| || |
Db         19 CGATGTGCTGCTGCACCCC 1


RESULT 2967
US-09-714-780-4
; Sequence 4, Application US/09714780
; Patent No. 6632600
; GENERAL INFORMATION:
;  APPLICANT: SHORT, JAY M.
;  TITLE OF INVENTION: ALTERED THERMOSTABILITY OF ENZYMES
;  FILE REFERENCE: DIV-1140-4
;  CURRENT APPLICATION NUMBER: US/09/714,780
;  CURRENT FILING DATE:  2000-11-15
;  PRIOR APPLICATION NUMBER: 09/663,620
;  PRIOR FILING DATE: 2000-09-15
;  PRIOR APPLICATION NUMBER: 09/535,754
;  PRIOR FILING DATE: 2000-03-27
;  PRIOR APPLICATION NUMBER: 09/375,605
;  PRIOR FILING DATE: 1999-08-17
```

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;  PRIOR APPLICATION NUMBER: 08/651,568
;  PRIOR FILING DATE: 1996-05-05
;  PRIOR APPLICATION NUMBER: 60/008,316
;  PRIOR FILING DATE: 1995-12-07
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-714-780-4

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2428 GGTGCACTTCTTACGACTT 2446
                |||   ||| |||||||||
Db          1 GGTTACCTTGTTACGACTT 19


RESULT 2968
US-09-672-717-52
; Sequence 52, Application US/09672717
; Patent No. 6673917
; GENERAL INFORMATION:
;  APPLICANT: Korneluk, Robert G.
;  APPLICANT:  LaCasse, Eric
;  APPLICANT:  Baird, Stephen
;  APPLICANT:  Holcik, Martin
;  APPLICANT:  Young, Sean
;  TITLE OF INVENTION: Antisense IAP Nucleic Acids and Uses
;  TITLE OF INVENTION:  Thereof
;  FILE REFERENCE: 07891/025001
;  CURRENT APPLICATION NUMBER: US/09/672,717
;  CURRENT FILING DATE:  2000-09-28
;  NUMBER OF SEQ ID NOS: 231
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: based on Homo sapiens
US-09-672-717-52

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2460 GATCCAATTTTAATATTAA 2478
                ||| || ||  ||||||||
Db          1 GATTCACTTCGAATATTAA 19


RESULT 2969
US-09-672-717-209
; Sequence 209, Application US/09672717
; Patent No. 6673917
; GENERAL INFORMATION:
;  APPLICANT: Korneluk, Robert G.
;  APPLICANT:  LaCasse, Eric
;  APPLICANT:  Baird, Stephen
;  APPLICANT:  Holcik, Martin
;  APPLICANT:  Young, Sean
;  TITLE OF INVENTION: Antisense IAP Nucleic Acids and Uses
;  TITLE OF INVENTION:  Thereof
;  FILE REFERENCE: 07891/025001
;  CURRENT APPLICATION NUMBER: US/09/672,717
;  CURRENT FILING DATE:  2000-09-28
;  NUMBER OF SEQ ID NOS: 231
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 209
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: 1,17
;   OTHER INFORMATION: y= cm
;   NAME/KEY: modified_base
;   LOCATION: 3,18
;   OTHER INFORMATION: y=gm
;   NAME/KEY: modified_base
;   LOCATION: 19
;   OTHER INFORMATION: y=um
;   OTHER INFORMATION: based on Homo sapiens
US-09-672-717-209

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   80.0%;  Pred. No. 2.9e+03;
  Matches   12;  Conservative    2;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2384 TACAGATTTTATTTA 2398
                :|:|||||| |||||
Db          1 YAYAGATTTCATTTA 15


RESULT 2970
US-09-672-717-212/c
; Sequence 212, Application US/09672717
; Patent No. 6673917
; GENERAL INFORMATION:
;  APPLICANT: Korneluk, Robert G.
;  APPLICANT:  LaCasse, Eric
;  APPLICANT:  Baird, Stephen
;  APPLICANT:  Holcik, Martin
;  APPLICANT:  Young, Sean
;  TITLE OF INVENTION: Antisense IAP Nucleic Acids and Uses
;  TITLE OF INVENTION:  Thereof
;  FILE REFERENCE: 07891/025001
;  CURRENT APPLICATION NUMBER: US/09/672,717
;  CURRENT FILING DATE:  2000-09-28
;  NUMBER OF SEQ ID NOS: 231
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 212
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: modified_base
;   LOCATION: 1,17,18
;   OTHER INFORMATION: y=um
;   NAME/KEY: modified_base
;   LOCATION: 19
;   OTHER INFORMATION: y=cm
;   OTHER INFORMATION: based on Homo sapiens
US-09-672-717-212

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   63.2%;  Pred. No. 2.9e+03;
  Matches   12;  Conservative    4;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1318 GAACATACAGAACTGCTTG 1336
                :::|| | ||||| ||||:
Db         19 RRRCACATAGAACAGCTTR 1


RESULT 2971
US-10-022-819-48
; Sequence 48, Application US/10022819
; Patent No. 6686163
;   GENERAL INFORMATION:
;        APPLICANT: ALLEN, Antonette C. P.
```

```
;                   OLSEN, Sheri J.
;                   LAWRENCE, Tammy
;                   ANGELLY, Tracy S.
;                   RABIN, Mark B.
;        TITLE OF INVENTION: CODING SEQUENCE HAPLOTYPE OF THE HUMAN
;                            BRCA1 GENE
;        NUMBER OF SEQUENCES: 67
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Morgan Lewis & Bockius LLP
;             STREET: 1111 Pennsylvania Avenue
;             CITY: Washington DC
;             STATE: District of Columbia
;             COUNTRY: USA
;             ZIP: 20004
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/10/022,819
;             FILING DATE: 22-Apr-2002
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/074,452
;             FILING DATE: 1998-05-06
;        ATTORNEY/AGENT INFORMATION:
;             NAME: <Unknown>
;             REGISTRATION NUMBER: <Unknown>
;             REFERENCE/DOCKET NUMBER: 044921-5049-01-US
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: 202-739-3000
;             TELEFAX: 202-739-3001
;     INFORMATION FOR SEQ ID NO: 48:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 19 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: other nucleic acid
;             DESCRIPTION: /desc = "PRIMER"
;        HYPOTHETICAL: NO
;        ANTI-SENSE: NO
;        FRAGMENT TYPE: internal
;        SEQUENCE DESCRIPTION: SEQ ID NO: 48:
US-10-022-819-48

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1224 TGGCGGCCCAGCAACTGTG 1242
              |||| |||||| || | ||
Db          1 TGGCTGCCCAGGAAGTATG 19


RESULT 2972
PCT-US94-06331A-59
; Sequence 59, Application PC/TUS9406331A
;  GENERAL INFORMATION:
;    APPLICANT:  Ribozyme Pharmaceuticals, Inc.
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR
;    TITLE OF INVENTION:  TREATMENT OF FIBROSIS AND
;    TITLE OF INVENTION:  FIBROUS TISSUE DISEASE
;    NUMBER OF SEQUENCES:  67
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/06331A
;      FILING DATE:  June 2, 1994
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    none
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  202/115
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  59:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
PCT-US94-06331A-59

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   68.4%;  Pred. No. 2.9e+03;
  Matches   13;  Conservative    2;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        615 TGCCCCACGCACACGCCCT 633
              : |||||| | ||| |||:
Db          1 UCCCCCACUCCCACUCCCU 19


RESULT 2973
PCT-US94-07430-6
; Sequence 6, Application PC/TUS9407430
;  GENERAL INFORMATION:
;    APPLICANT:  Matalon, Reuben
;    APPLICANT:  Kaul, Rajinder
;    APPLICANT:  Cao, Guang Ping
;    APPLICANT:  Balamurugan, Kuppareddi
;    APPLICANT:  Michals-Matalon, Kimberlee
;    TITLE OF INVENTION:  Aspartoacylase Gene, Protein, and
;    TITLE OF INVENTION:  Methods of Screening for Mutations Associated with Canavan
;    TITLE OF INVENTION:  Disease
;    NUMBER OF SEQUENCES:  68
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Millen, White, Zelano & Branigan, P.C.
;      STREET:  2200 Clarendon Boulevard, Suite 1400
;      CITY:  Arlington
;      STATE:  Virginia
;      COUNTRY:  U.S.A.
;      ZIP:  22201
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/07430
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/128,020
;      FILING DATE:  29-SEP-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hamlet-King, Diana
;      REGISTRATION NUMBER:  33,302
```

```
;      REFERENCE/DOCKET NUMBER:  SHUTT 1PO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-243-6333
;      TELEFAX:  703-243-6410
;      TELEX:  64191
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  modified_base
;      LOCATION:  1
;      OTHER INFORMATION:  /mod_base= OTHER
;      OTHER INFORMATION:  /note= "The M13 universal primer tag is attached
;      OTHER INFORMATION:  to base number 1."
PCT-US94-07430-6

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1488 CCCTGGAGAAAATGGAGAA 1506
              ||  |  ||||||||||||
Db          1 CCGGGATGAAAATGGAGAA 19


RESULT 2974
PCT-US95-04094-20
; Sequence 20, Application PC/TUS9504094
;  GENERAL INFORMATION:
;    APPLICANT:  ALMS, William
;    APPLICANT:  WHITE, Barbara
;    TITLE OF INVENTION:  HUMAN INTERLEUKIN VARIANTS GENERATED BY
;    TITLE OF INVENTION:  ALTERNATIVE SPLICING
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Burns, Doane, Swecker & Mathis
;      STREET:  P.O. Box 1404
;      CITY:  Alexandria
;      STATE:  Virginia
;      COUNTRY:  United States
;      ZIP:  22313-1404
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/04094
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/224,010
;      FILING DATE:  06-APR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Crane-Feury, Sharon E
;      REGISTRATION NUMBER:  36,113
;      REFERENCE/DOCKET NUMBER:  028754-001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703) 836-6620
;      TELEFAX:  (703) 836-2021
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
PCT-US95-04094-20

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        166 CATGTTGTGGAAAATAACC 184
              | | |  ||||||||||||
Db          1 CCTTTGCTGGAAAATAACC 19


RESULT 2975
PCT-US95-08604-119/c
; Sequence 119, Application PC/TUS9508604
;  GENERAL INFORMATION:
;    APPLICANT:  Visible Genetics Inc.
;    APPLICANT:  HSC Reasearch and Development Limitied Partnership
;    APPLICANT:  Gallie, Brenda L.
;    APPLICANT:  Dunn, James M.
;    APPLICANT:  Stevens, John K.
;    TITLE OF INVENTION:  Method, Reagents and Kit for Diagnosis
;    TITLE OF INVENTION:  and Targeted Screening for Retinoblastoma
;    NUMBER OF SEQUENCES:  125
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Oppedahl & Larson
;      STREET:  1992 Commerce Street, Suite 309
;      CITY:  Yorktown Heights
;      STATE:  NY
;      COUNTRY:  USA
;      ZIP:  10598-4412
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 Mb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS 5.0
;      SOFTWARE:  Word Perfect
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/08604
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/271,942
;      FILING DATE:  08-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marina T. Larson
;      REGISTRATION NUMBER:  32,038
;      REFERENCE/DOCKET NUMBER:  VGEN.P-003-WO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (914) 245-3252
;      TELEFAX:  (914) 962-4330
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  119:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  genomic DNA
;    HYPOTHETICAL:  no
;    ANTI-SENSE:  no
;    FRAGMENT TYPE:  internal
;    ORIGINAL SOURCE:
;      ORGANISM:  human
;    FEATURE:
;      NAME/KEY:  primer for exon 27 of human RB1 gene
PCT-US95-08604-119

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 19;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2639 TGTTGGGCTGAACCCTAAG 2657
              |||| || |||  ||||||
Db         19 TGTTTGGGTGATTCCTAAG 1


RESULT 2976
```

```
US-09-823-634A-16
; Sequence 16, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02023
US-09-823-634A-16

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||     ||||||
Db          1 AAAAAAAAATGTGAAAAAA 19


RESULT 2977
US-09-823-647B-16
; Sequence 16, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02023
US-09-823-647B-16

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||     ||||||
Db          1 AAAAAAAAATGTGAAAAAA 19


RESULT 2978
US-09-021-701-558/c
; Sequence 558, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  558:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-558

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAA 2797
              ||  ||  ||||| ||||||
Db         19 AGGGTTAAAAAAGAAAAAA 1


RESULT 2979
US-09-823-634A-13
; Sequence 13, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02020
US-09-823-634A-13

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
```

```
                    |||||||||     ||||||
Db          1 AAAAAAAAATTTGAAAAAA 19


RESULT 2980
US-09-823-647B-13
; Sequence 13, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02020
US-09-823-647B-13

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                    |||||||||     ||||||
Db          1 AAAAAAAAATTTGAAAAAA 19


RESULT 2981
US-09-021-701-557/c
; Sequence 557, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  557:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-557

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAAA 2797
                  ||  || |||||  ||||||
Db         20 AGGGTTAAAAAAGAAAAAA 2


RESULT 2982
US-08-837-201C-38/c
; Sequence 38, Application US/08837201C
; Patent No. 5985558
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas M. Dean; Robert A. McKay; Loren J.
;    APPLICANT:  Miraglia; Brenda F. Baker
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Compositions and Methods for the Modulation of
;    TITLE OF INVENTION:  Activating Protein 1
;    NUMBER OF SEQUENCES:  139
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/837,201C
;      FILING DATE:  April 14, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0209
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 810-1515
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-08-837-201C-38

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1000 GCGGGAGAAGTTGGACAAG 1018
                  ||||  |||||||| | ||
Db         19 GCGGCTGAAGTTGGGCGAG 1
```

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RESULT 2983
US-09-364-416-38/c
; Sequence 38, Application US/09364416
; Patent No. 6312900
;  GENERAL INFORMATION:
;    APPLICANT:  Nicholas M. Dean; Robert A. McKay; Loren J.
;    APPLICANT:  Miraglia; Brenda F. Baker
;    TITLE OF INVENTION:  Antisense Oligonucleotide
;    TITLE OF INVENTION:  Compositions and Methods for the Modulation of
;    TITLE OF INVENTION:  Activating Protein 1
;    NUMBER OF SEQUENCES:  139
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Law Offices of Jane Massey Licata
;      STREET:  66 East Main Street
;      CITY:  Marlton
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  08053
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  WINDOWS 95
;      SOFTWARE:  WORDPERFECT 6.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/364,416
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/837,201
;      FILING DATE:  April 14, 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jane Massey Licata
;      REGISTRATION NUMBER:  32,257
;      REFERENCE/DOCKET NUMBER:  ISPH-0209
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (609) 810-1515
;      TELEFAX:  (609) 810-1454
;  INFORMATION FOR SEQ ID NO:  38:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
;    ANTI-SENSE:  Yes
US-09-364-416-38

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1000 GCGGGAGAAGTTGGACAAG 1018
             ||||  |||||||| | ||
Db         19 GCGGCTGAAGTTGGGCGAG 1


RESULT 2984
US-09-166-186-217/c
; Sequence 217, Application US/09166186A
; Patent No. 6080580
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-a EXPRESSION
;  FILE REFERENCE: ISPH-0322
;  CURRENT APPLICATION NUMBER: US/09/166,186A
;  CURRENT FILING DATE: 1998-10-05
;  NUMBER OF SEQ ID NOS: 250
; SEQ ID NO 217
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: antisense sequence
US-09-166-186-217

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1449 TGAACCCTGGAGACCAGAG 1467
              || |  |||||||||||  |
Db         19 TGGAATCTGGAGACCAGGG 1


RESULT 2985
US-09-313-932-217/c
; Sequence 217, Application US/09313932A
; Patent No. 6228642
; GENERAL INFORMATION:
;  APPLICANT: Baker, Brenda
;  APPLICANT: Bennett, C. Frank
;  APPLICANT: Butler, Madeline M.
;  APPLICANT: Shanahan, William R.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
;  TITLE OF INVENTION: EXPRESSION
;  FILE REFERENCE: ISPH-0356
;  CURRENT APPLICATION NUMBER: US/09/313,932A
;  CURRENT FILING DATE: 1999-05-18
;  NUMBER OF SEQ ID NOS: 501
; SEQ ID NO 217
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-313-932-217

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1449 TGAACCCTGGAGACCAGAG 1467
              || |  |||||||||||  |
Db         19 TGGAATCTGGAGACCAGGG 1


RESULT 2986
US-09-593-711A-228
; Sequence 228, Application US/09593711A
; Patent No. 6271030
; GENERAL INFORMATION:
;  APPLICANT:    Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:    ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
;  FILE REFERENCE:    RTS-0118
;  CURRENT APPLICATION NUMBER: US/09/593,711A
;  CURRENT FILING DATE:  2000-06-14
;  NUMBER OF SEQ ID NOS:    244
; SEQ ID NO 228
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-711A-228

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
```

```
              | |||||  ||||  |||||
Db          2 ACAAAAACAAAACCAAAAA 20


RESULT 2987
US-09-588-950A-6/c
; Sequence 6, Application US/09588950A
; Patent No. 6399305
; GENERAL INFORMATION:
;  APPLICANT: Makino, Yoshihiko
;  APPLICANT:  Abe, Yoshihiko
;  APPLICANT:  Ogawa, Masashi
;  APPLICANT:  Takagi, Makoto
;  APPLICANT:  Takenaka, Shigeori
;  APPLICANT:  Yamashita, Kenichi
;  TITLE OF INVENTION: Protection of Partial Complementary Nucleic Acid Fragment Using a
;  TITLE OF INVENTION:  Electroconductive Chip and Intercalator
;  FILE REFERENCE: JG-YY-4980/500569.20039
;  CURRENT APPLICATION NUMBER: US/09/588,950A
;  CURRENT FILING DATE:  2000-06-07
;  PRIOR APPLICATION NUMBER: Japan 11-159339
;  PRIOR FILING DATE: 1999-06-07
;  NUMBER OF SEQ ID NOS: 9
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthesized
US-09-588-950A-6

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||    |||||||
Db         20 AAAAAAAATTTTAAAAAAA 2


RESULT 2988
US-09-823-634A-8/c
; Sequence 8, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02008
US-09-823-634A-8

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||    |||||||
Db         20 AAAAAAAATTTTAAAAAAA 2


RESULT 2989
US-09-823-634A-9/c
; Sequence 9, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02012
US-09-823-634A-9

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||    |||||||
Db         20 AAAAAAAATTTTAAAAAAA 2


RESULT 2990
US-09-823-634A-10/c
; Sequence 10, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02013
US-09-823-634A-10

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              ||||||||    |||||||
Db         20 AAAAAAAATTTTAAAAAAA 2


RESULT 2991
US-09-823-634A-11/c
; Sequence 11, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
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```
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligonucleotide AGT02014
US-09-823-634A-11

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||     ||||||
Db         20 AAAAAAAAATTTTAAAAAA 2


RESULT 2992
US-09-823-634A-12
; Sequence 12, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Complement DNA oligo AGT02009
US-09-823-634A-12

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||     ||||||
Db          1 AAAAAAAAATTTTAAAAAA 19


RESULT 2993
US-09-823-634A-14
; Sequence 14, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligo AGT02021
US-09-823-634A-14

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||     ||||||
Db          1 AAAAAAAAATTGTAAAAAA 19


RESULT 2994
US-09-823-634A-17
; Sequence 17, Application US/09823634A
; Patent No. 6596489
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANALYZING NUCLEOTIDE SEQUENCE
;  TITLE OF INVENTION:  MISMATCHES USING RNASE H
;  FILE REFERENCE: 47541-20006.00
;  CURRENT APPLICATION NUMBER: US/09/823,634A
;  CURRENT FILING DATE:  2002-02-28
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligo AGT02024
US-09-823-634A-17

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||     ||||||
Db          1 AAAAAAAAATTCTAAAAAA 19


RESULT 2995
US-09-823-647B-8/c
; Sequence 8, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Oligonucleotide AGT02008
US-09-823-647B-8

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||     ||||||
Db         20 AAAAAAAAATTTTAAAAAA 2


RESULT 2996
```

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US-09-823-647B-9/c
; Sequence 9, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02012
US-09-823-647B-9

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||    ||||||
Db         20 AAAAAAAAATTTTAAAAAA 2


RESULT 2997
US-09-823-647B-10/c
; Sequence 10, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02013
US-09-823-647B-10

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||    ||||||
Db         20 AAAAAAAAATTTTAAAAAA 2


RESULT 2998
US-09-823-647B-11/c
; Sequence 11, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligonucleotide AGT02014
US-09-823-647B-11

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||    ||||||
Db         20 AAAAAAAAATTTTAAAAAA 2


RESULT 2999
US-09-823-647B-12
; Sequence 12, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Complement DNA oligo AGT02009
US-09-823-647B-12

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
             |||||||||    ||||||
Db          1 AAAAAAAAATTTTAAAAAA 19


RESULT 3000
US-09-823-647B-14
; Sequence 14, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
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;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02021
US-09-823-647B-14

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||    ||||||
Db          1 AAAAAAAAATTGTAAAAAA 19


RESULT 3001
US-09-823-647B-17
; Sequence 17, Application US/09823647B
; Patent No. 6596490
; GENERAL INFORMATION:
;  APPLICANT: Applied Gene Technologies, Inc.
;  APPLICANT:  Dattagupta, Nanibhushan
;  TITLE OF INVENTION: NUCLEIC ACID HAIRPIN PROBES AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: 47541-20004.20
;  CURRENT APPLICATION NUMBER: US/09/823,647B
;  CURRENT FILING DATE:  2002-05-07
;  PRIOR APPLICATION NUMBER: US 09/616,761
;  PRIOR FILING DATE: 2000-07-14
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Oligo AGT02024
US-09-823-647B-17

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
              |||||||||    ||||||
Db          1 AAAAAAAAATTCTAAAAAA 19


RESULT 3002
US-09-465-589A-5/c
; Sequence 5, Application US/09465589A
; Patent No. 6610481
; GENERAL INFORMATION:
;  APPLICANT: KOCH, Jorn E.
;  TITLE OF INVENTION: A CASCADE NUCLEIC ACID AMPLIFICATION REACTION
;  FILE REFERENCE: 4305/1E293-US2
;  CURRENT APPLICATION NUMBER: US/09/465,589A
;  CURRENT FILING DATE:  1999-12-17
;  PRIOR APPLICATION NUMBER: US 09/091,146
;  PRIOR FILING DATE: 1998-06-04
;  PRIOR APPLICATION NUMBER: PCT/DK96/00513
;  PRIOR FILING DATE: 1996-12-05
;  PRIOR APPLICATION NUMBER: DK 1379/95
;  PRIOR FILING DATE: 1995-12-05
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide
US-09-465-589A-5

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              ||| ||| ||| ||| |||
Db         20 TTTCTTTCTTTCTTTCTTT 2


RESULT 3003
US-09-465-589A-6
; Sequence 6, Application US/09465589A
; Patent No. 6610481
; GENERAL INFORMATION:
;  APPLICANT: KOCH, Jorn E.
;  TITLE OF INVENTION: A CASCADE NUCLEIC ACID AMPLIFICATION REACTION
;  FILE REFERENCE: 4305/1E293-US2
;  CURRENT APPLICATION NUMBER: US/09/465,589A
;  CURRENT FILING DATE:  1999-12-17
;  PRIOR APPLICATION NUMBER: US 09/091,146
;  PRIOR FILING DATE: 1998-06-04
;  PRIOR APPLICATION NUMBER: PCT/DK96/00513
;  PRIOR FILING DATE: 1996-12-05
;  PRIOR APPLICATION NUMBER: DK 1379/95
;  PRIOR FILING DATE: 1995-12-05
;  NUMBER OF SEQ ID NOS: 22
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: oligonucleotide
US-09-465-589A-6

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   78.9%;  Pred. No. 3.2e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTT 2184
              ||| ||| ||| ||| |||
Db          1 TTTCTTTCTTTCTTTCTTT 19


RESULT 3004
US-08-863-118-8
; Sequence 8, Application US/08863118A
; Patent No. 6015893
; GENERAL INFORMATION:
;  APPLICANT: CANCE, William G.
;  APPLICANT: LIU, Edison T.
;  APPLICANT: OWENS, Lewis V.
;  TITLE OF INVENTION: Oligonucleoside Compounds and Methods for Inhibiting
;  TITLE OF INVENTION: Tumor Growth, Invasion and Metastasis
;  FILE REFERENCE: 5470-90
;  CURRENT APPLICATION NUMBER: US/08/863,118A
;  CURRENT FILING DATE: 1997-05-27
;  EARLIER APPLICATION NUMBER: 08/276,843
;  EARLIER FILING DATE: 1994-07-18
;  NUMBER OF SEQ ID NOS: 15
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: nonsense
;   OTHER INFORMATION: control sequence derived from mouse wnt
;   OTHER INFORMATION: protooncogene
```

US-08-863-118-8

Query Match 0.4%; Score 12.6; DB 1; Length 20;
Best Local Similarity 78.9%; Pred. No. 3.2e+03;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

```
Qy        649 GGCCGAGAACCTGGGGCTC 667
              | ||||| |  ||||||||
Db          2 GCCCGAGCAGGTGGGGCTC 20
```

RESULT 3005
US-07-872-644-1
; Sequence 1, Application US/07872644
; Patent No. 5389527
; GENERAL INFORMATION:
; APPLICANT: Beavo, Joseph A.
; APPLICANT: Bentley, Kelley
; APPLICANT: Charbonneau, Harry
; APPLICANT: Sonnenburg, William K.
; TITLE OF INVENTION: DNA Encoding Mammalian
; TITLE OF INVENTION: Phosphodiesterases
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/872,644
; FILING DATE: 19920420
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/688,356
; FILING DATE: 04-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5389527and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27866/30822
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 346-5750
; TELEFAX: (312) 984-9740
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-07-872-644-1

Query Match 0.4%; Score 12.6; DB 1; Length 20;
Best Local Similarity 66.7%; Pred. No. 3.2e+03;
Matches 12; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1518 AAAATTGGAACGAAGAAA 1535
              ||:|| || | |||:||:
Db          1 AARATGGGNATGAARAAR 18
```

RESULT 3006
US-08-297-494-1
; Sequence 1, Application US/08297494
; Patent No. 5580771
; GENERAL INFORMATION:
; APPLICANT: Beavo, Joseph A.
; APPLICANT: Bentley, Kelley
; APPLICANT: Charbonneau, Harry
; APPLICANT: Sonnenburg, William K.
; TITLE OF INVENTION: DNA Encoding Mammalian
; TITLE OF INVENTION: Phosphodiesterases
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/297,494
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/688,356
; FILING DATE: 04-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5580771and, Greta E.
; REGISTRATION NUMBER: 35,302
; REFERENCE/DOCKET NUMBER: 27866/30822
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 346-5750
; TELEFAX: (312) 984-9740
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-297-494-1

Query Match 0.4%; Score 12.6; DB 1; Length 20;
Best Local Similarity 66.7%; Pred. No. 3.2e+03;
Matches 12; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1518 AAAATTGGAACGAAGAAA 1535
              ||:|| || | |||:||:
Db          1 AARATGGGNATGAARAAR 18
```

RESULT 3007
US-08-297-510-1
; Sequence 1, Application US/08297510
; Patent No. 5602019
; GENERAL INFORMATION:
; APPLICANT: Beavo, Joseph A.
; APPLICANT: Bentley, Kelley
; APPLICANT: Charbonneau, Harry
; APPLICANT: Sonnenburg, William K.
; TITLE OF INVENTION: DNA Encoding Mammalian
; TITLE OF INVENTION: Phosphodiesterases
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
; ADDRESSEE: Bicknell
; STREET: Two First National Plaza, 20 South Clark
; STREET: Street

```
;       CITY:  Chicago
;       STATE:  Illinois
;       COUNTRY:  USA
;       ZIP:  60603
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/297,510
;       FILING DATE:
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/688,356
;       FILING DATE:  04-APR-1991
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  No. 5602019and, Greta E.
;       REGISTRATION NUMBER:  35,302
;       REFERENCE/DOCKET NUMBER:  27866/30822
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (312) 346-5750
;       TELEFAX:  (312) 984-9740
;       TELEX:  25-3856
;   INFORMATION FOR SEQ ID NO:  1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA
US-08-297-510-1

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   66.7%;  Pred. No. 3.2e+03;
  Matches   12;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1518 AAAATTGGAACGAAGAAA 1535
              ||:|| || | |||:||:
Db          1 AARATGGGNATGAARAAR 18


RESULT 3008
US-08-479-532-1
; Sequence 1, Application US/08479532
; Patent No. 5776752
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/479,532
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/297,494
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5776752and, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-479-532-1

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   66.7%;  Pred. No. 3.2e+03;
  Matches   12;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1518 AAAATTGGAACGAAGAAA 1535
              ||:|| || | |||:||:
Db          1 AARATGGGNATGAARAAR 18


RESULT 3009
US-08-455-526-1
; Sequence 1, Application US/08455526
; Patent No. 5789553
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,526
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/297,494
;      FILING DATE:  29-AUG-1994
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5789553and, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
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;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-526-1

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   66.7%;  Pred. No. 3.2e+03;
  Matches   12;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1518 AAAATTGGAACGAAGAAA 1535
              ||:|| || | |||:||:
Db          1 AARATGGGNATGAARAAR 18


RESULT 3010
US-08-455-525-1
; Sequence 1, Application US/08455525
; Patent No. 5800987
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,525
;      FILING DATE:  31-MAY-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/297,494
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5800987and, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-455-525-1

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   66.7%;  Pred. No. 3.2e+03;
  Matches   12;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1518 AAAATTGGAACGAAGAAA 1535
              ||:|| || | |||:||:
Db          1 AARATGGGNATGAARAAR 18


RESULT 3011
US-09-139-491-1
; Sequence 1, Application US/09139491
; Patent No. 6015677
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/139,491
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/455,525
;      FILING DATE:  31-MAY-1995
;      APPLICATION NUMBER:  08/297,494
;      FILING DATE:
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 6015677and, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-139-491-1

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   66.7%;  Pred. No. 3.2e+03;
  Matches   12;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1518 AAAATTGGAACGAAGAAA 1535
              ||:|| || | |||:||:
Db          1 AARATGGGNATGAARAAR 18


RESULT 3012
US-09-883-825-1
; Sequence 1, Application US/09883825
; Patent No. 6642040
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;   GENERAL INFORMATION:
;        APPLICANT: Beavo, Joseph A.
;                   Bentley, Kelley
;                   Charbonneau, Harry
;                   Sonnenburg, William K.
;        TITLE OF INVENTION: DNA Encoding Mammalian
;                            Phosphodiesterases
;        NUMBER OF SEQUENCES: 58
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Marshall, O'Toole, Gerstein, Murray &
;                        Bicknell
;             STREET: Two First National Plaza, 20 South Clark
;                     Street
;             CITY: Chicago
;             STATE: Illinois
;             COUNTRY: USA
;             ZIP: 60603
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.25
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/883,825
;             FILING DATE: 18-Jun-2001
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 09/123,783
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: 08/297,494
;             FILING DATE: <Unknown>
;             APPLICATION NUMBER: US 07/688,356
;             FILING DATE: 04-APR-1991
;        ATTORNEY/AGENT INFORMATION:
;             NAME: No. 6642040and, Greta E.
;             REGISTRATION NUMBER: 35,302
;             REFERENCE/DOCKET NUMBER: 27866/30822
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (312) 346-5750
;             TELEFAX: (312) 984-9740
;             TELEX: 25-3856
;    INFORMATION FOR SEQ ID NO: 1:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 20 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA
;        SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-883-825-1

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   66.7%;  Pred. No. 3.2e+03;
  Matches   12;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1518 AAAATTGGAACGAAGAAA 1535
              ||:|| || | |||:||:
Db          1 AARATGGGNATGAARAAR 18


RESULT 3013
PCT-US92-03222-1
; Sequence 1, Application PC/TUS9203222
;  GENERAL INFORMATION:
;    APPLICANT:  Beavo, Joseph A.
;    APPLICANT:  Bentley, Kelley
;    APPLICANT:  Charbonneau, Harry
;    APPLICANT:  Sonnenburg, William K.
;    TITLE OF INVENTION:  DNA Encoding Mammalian
;    TITLE OF INVENTION:  Phosphodiesterases
;    NUMBER OF SEQUENCES:  58
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/03222
;      FILING DATE:  19920420
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/688,356
;      FILING DATE:  04-APR-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Noland, Greta E.
;      REGISTRATION NUMBER:  35,302
;      REFERENCE/DOCKET NUMBER:  27866/30822
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
PCT-US92-03222-1

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 20;
  Best Local Similarity   66.7%;  Pred. No. 3.2e+03;
  Matches   12;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1518 AAAATTGGAACGAAGAAA 1535
              ||:|| || | |||:||:
Db          1 AARATGGGNATGAARAAR 18


RESULT 3014
US-09-165-868-8/c
; Sequence 8, Application US/09165868
; Patent No. 6465176
; GENERAL INFORMATION:
;  APPLICANT: Message Pharmaceuticals, Inc.
;  TITLE OF INVENTION: METHOD FOR IDENTIFYING COMPOUNDS
;  TITLE OF INVENTION:  AFFECTING RNA/RNA BINDING PROTEIN INTERACTIONS
;  FILE REFERENCE: 50093/003WO1
;  CURRENT APPLICATION NUMBER: US/09/165,868
;  CURRENT FILING DATE:  1998-10-02
;  PRIOR APPLICATION NUMBER: PCT/US99/21672
;  PRIOR FILING DATE: 1999-09-16
;  NUMBER OF SEQ ID NOS: 11
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
;   LENGTH: 21
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic
US-09-165-868-8

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 21;
  Best Local Similarity   78.9%;  Pred. No. 3.3e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
```

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                ||| ||| ||| ||| |||
Db         20 AAATAAATAAATAAATAAA 2


RESULT 3015
US-08-235-180-28/c
; Sequence 28, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  28:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-28

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 22;
  Best Local Similarity   78.9%;  Pred. No. 3.5e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1977 TGAAAAAAAGAAAAGTGTG 1995
                | ||||||| |||||  ||
Db         22 TTAAAAAAAAAAAAGCTTG 4


RESULT 3016
US-08-332-420-10/c
; Sequence 10, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-10

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 22;
  Best Local Similarity   78.9%;  Pred. No. 3.5e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1977 TGAAAAAAAGAAAAGTGTG 1995
                | ||||||| |||||  ||
Db         22 TTAAAAAAAAAAAAGCTTG 4


RESULT 3017
US-08-235-180-24/c
; Sequence 24, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
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;     PRIOR APPLICATION DATA:  described below:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  205/026
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  24:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-235-180-24

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 22;
  Best Local Similarity   78.9%;  Pred. No. 3.5e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1977 TGAAAAAAAGAAAAGTGTG 1995
                 | ||||||| |||||  ||
Db         22 TCAAAAAAAAAAAAGCTTG 4


RESULT 3018
US-08-332-420-6/c
; Sequence 6, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-6

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 22;
  Best Local Similarity   78.9%;  Pred. No. 3.5e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1977 TGAAAAAAAGAAAAGTGTG 1995
                 | ||||||| |||||  ||
Db         22 TCAAAAAAAAAAAAGCTTG 4


RESULT 3019
US-08-629-001A-44/c
; Sequence 44, Application US/08629001A
; Patent No. 5858661
;  GENERAL INFORMATION:
;    APPLICANT:  Shiloh, Yosef
;    TITLE OF INVENTION:  ATAXIA-TELANGIECTASIA GENE AND ITS
;    TITLE OF INVENTION:  GENOMIC ORGANIZATION
;    NUMBER OF SEQUENCES:  139
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kohn & Associates
;      STREET:  30500 No. 5858661thwestern Hwy.
;      CITY:  Farmington Hills
;      STATE:  Michigan
;      COUNTRY:  US
;      ZIP:  48334
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/629,001A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kohn, Kenneth I.
;      REGISTRATION NUMBER:  30,955
;      REFERENCE/DOCKET NUMBER:  2290.00032
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (810) 539-5050
;      TELEFAX:  (810) 539-5055
;  INFORMATION FOR SEQ ID NO:  44:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  30 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-629-001A-44

  Query Match             0.4%;  Score 12.6;  DB 1;  Length 30;
  Best Local Similarity   78.9%;  Pred. No. 2.9e+03;
  Matches   15;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAAA 2804
                 ||||| |||| || || ||
Db         30 AAAAACAAAACAAGAAGAA 12


RESULT 3020
US-08-642-274D-123/c
; Sequence 123, Application US/08642274D
; Patent No. 6200749
; GENERAL INFORMATION:
;  APPLICANT:  Shiloh, Yosef
;  TITLE OF INVENTION:  MUTATED FORMS OF THE ATAXIA-TELANGIECTASIA GENE AND METHOD TO
;  TITLE OF INVENTION:  SCREEN FOR A PARTIAL A-T PHENOTYPE
;  FILE REFERENCE:  229000033
;  CURRENT APPLICATION NUMBER: US/08/642,274D
;  CURRENT FILING DATE:  1996-05-03
;  NUMBER OF SEQ ID NOS:  220
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 123
;   LENGTH: 30
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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:intronic
; OTHER INFORMATION: sequence
US-08-642-274D-123

 Query Match 0.4%; Score 12.6; DB 1; Length 30;
 Best Local Similarity 78.9%; Pred. No. 2.9e+03;
 Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAAAAAA 2804
 ||||| |||| || || ||
Db 30 AAAAACAAAACAAGAAGAA 12

RESULT 3021
US-08-832-021-5/c
; Sequence 5, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-5

 Query Match 0.4%; Score 12.4; DB 1; Length 14;
 Best Local Similarity 92.9%; Pred. No. 1.5e+03;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2783 TTGAAAAAAAAAA 2796
 || ||||||||||
Db 14 TTAAAAAAAAAAA 1

RESULT 3022
US-08-832-021-9
; Sequence 9, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 14
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-9

 Query Match 0.4%; Score 12.4; DB 1; Length 14;
 Best Local Similarity 92.9%; Pred. No. 1.5e+03;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2174 TTTTTTTTTTTTA 2187
 ||||||||||||| |
Db 1 TTTTTTTTTTTCA 14

RESULT 3023
US-08-724-466B-17/c
; Sequence 17, Application US/08724466B
; Patent No. 6063606
; GENERAL INFORMATION:
; APPLICANT: Petkovich, P. Martin, White, Jay A.,
; APPLICANT: Beckett, Barbara R., Jones, Glenville
; TITLE OF INVENTION: Retinoid Metabolizing Protein
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Blake, Cassels & Graydon
; STREET: Box 25, Commerce Court West
; CITY: Toronto
; ZIP: M5L 1A9
; COUNTRY: Canada
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3 1/2 inch, 1.4 Mb storage
; COMPUTER: COMPAQ, IBM PC compatible
; OPERATING SYSTEM: MS-DOS 5.1
; SOFTWARE: WORD PERFECT
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,466B
; FILING DATE: October 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/667,546
; FILING DATE: June 21, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hunt, John C.
; REGISTRATION NUMBER: 36,424
; REFERENCE/DOCKET NUMBER: 50767/00004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 863-4344
; TELEFAX: (416) 863-2653
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 14 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-724-466B-17

 Query Match 0.4%; Score 12.4; DB 1; Length 14;
 Best Local Similarity 92.9%; Pred. No. 1.5e+03;
 Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2783 TTGAAAAAAAAAA 2796
 || ||||||||||
Db 14 TTAAAAAAAAAAA 1

RESULT 3024
US-08-724-466B-21
; Sequence 21, Application US/08724466B
; Patent No. 6063606
; GENERAL INFORMATION:
; APPLICANT: Petkovich, P. Martin, White, Jay A.,
; APPLICANT: Beckett, Barbara R., Jones, Glenville
; TITLE OF INVENTION: Retinoid Metabolizing Protein
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Blake, Cassels & Graydon
; STREET: Box 25, Commerce Court West
; CITY: Toronto
; ZIP: M5L 1A9

```
;       COUNTRY:  Canada
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;       COMPUTER:  COMPAQ, IBM PC compatible
;       OPERATING SYSTEM:  MS-DOS 5.1
;       SOFTWARE:  WORD PERFECT
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/724,466B
;       FILING DATE:  October 1, 1996
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/667,546
;       FILING DATE:  June 21, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hunt, John C.
;       REGISTRATION NUMBER:  36,424
;       REFERENCE/DOCKET NUMBER:  50767/00004
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (416) 863-4344
;       TELEFAX:  (416) 863-2653
;   INFORMATION FOR SEQ ID NO:  21:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  14 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-724-466B-21

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTA 2187
              ||||||||||||| |
Db          1 TTTTTTTTTTTCA 14


RESULT 3025
US-08-882-164D-17/c
; Sequence 17, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-17

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAA 2796
              || ||||||||||||
Db         14 TTAAAAAAAAAAAA 1


RESULT 3026
US-08-882-164D-21
; Sequence 21, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  21:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-21

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTA 2187
              ||||||||||||| |
Db          1 TTTTTTTTTTTCA 14


RESULT 3027
US-08-832-021-6/c
; Sequence 6, Application US/08832021
; Patent No. 6045998
```

```
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-6

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              | ||||||||||||
Db         14 GTAAAAAAAAAAAA 1


RESULT 3028
US-08-832-021-8/c
; Sequence 8, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-8

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              | ||||||||||||
Db         14 ATAAAAAAAAAAAA 1


RESULT 3029
US-08-832-021-12
; Sequence 12, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-12

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              |||||||||||| |
Db          1 TTTTTTTTTTTCT 14


RESULT 3030
US-08-832-021-13/c
; Sequence 13, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-13

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              | ||||||||||||
Db         14 TCAAAAAAAAAAAA 1


RESULT 3031
US-08-724-466B-13/c
; Sequence 13, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
```

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;       OPERATING SYSTEM:  MS-DOS 5.1
;       SOFTWARE:  WORD PERFECT
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/724,466B
;       FILING DATE:  October 1, 1996
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/667,546
;       FILING DATE:  June 21, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hunt, John C.
;       REGISTRATION NUMBER:  36,424
;       REFERENCE/DOCKET NUMBER:  50767/00004
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (416) 863-4344
;       TELEFAX:  (416) 863-2653
;   INFORMATION FOR SEQ ID NO:  13:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  14 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-724-466B-13

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              | ||||||||||||
Db         14 TCAAAAAAAAAAAA 1


RESULT 3032
US-08-724-466B-18/c
; Sequence 18, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-18

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              | ||||||||||||
Db         14 ATAAAAAAAAAAAA 1


RESULT 3033
US-08-724-466B-19/c
; Sequence 19, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-19

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              | ||||||||||||
Db         14 GTAAAAAAAAAAAA 1


RESULT 3034
US-08-724-466B-22
; Sequence 22, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
```

```
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-22

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2179
              ||||||||||||| |
Db          1 TTTTTTTTTTTCT 14


RESULT 3035
US-08-893-764-3/c
; Sequence 3, Application US/08893764
; Patent No. 6172211
;  GENERAL INFORMATION:
;    APPLICANT:  Georgiev, Georgii P.
;    APPLICANT:  Kiselev, Sergei L.
;    APPLICANT:  Prokhorchouk, Egor B.
;    APPLICANT:  Ostermann, Elinborg
;    TITLE OF INVENTION:  Tumor Growth Inhibition- and Apoptosis-Associated
;    TITLE OF INVENTION:  Genes and Methods of Use Thereof
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Sterne, Kessler, Goldstein & Fox P.L.L.C.
;      STREET:  1100 New York Avenue, N.W., Suite 600
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005-3934
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/893,764
;      FILING DATE:  (Herewith)
;      CLASSIFICATION:  515
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Esmond, Robert W.
;      REGISTRATION NUMBER:  32,893
;      REFERENCE/DOCKET NUMBER:  0652.1630000
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202) 371-2600
;      TELEFAX:  (202) 371-2540
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-893-764-3

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              | |||||||||||||
Db         14 GTAAAAAAAAAAAA 1


RESULT 3036
US-08-787-321-6/c
; Sequence 6, Application US/08787321A
; Patent No. 6180777
; GENERAL INFORMATION:
;  APPLICANT: Horn, Thomas
;  TITLE OF INVENTION: SYNTHESIS OF BRANCHED NUCLEIC ACIDS
;  FILE REFERENCE: (1300)-1199.002
;  CURRENT APPLICATION NUMBER: US/08/787,321A
;  CURRENT FILING DATE: 1997-01-03
;  EARLIER APPLICATION NUMBER: US PROV 60/009,918
;  EARLIER FILING DATE: 1996-01-12
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:
;   OTHER INFORMATION: oligonucleotide
US-08-787-321-6

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGT 1992
              ||||||| ||||||
Db         14 AAAAAAAAAAAAGT 1


RESULT 3037
US-08-882-164D-13/c
; Sequence 13, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
```

```
;       APPLICATION NUMBER:  08/667,546
;       FILING DATE:  June 21, 1996
;       APPLICATION NUMBER:  08/724,466
;       FILING DATE:  October 1, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hunt, John C.
;       REGISTRATION NUMBER:  36,424
;       REFERENCE/DOCKET NUMBER:  50767/00010
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (416) 863-4344
;       TELEFAX:  (416) 863-2653
;   INFORMATION FOR SEQ ID NO:  13:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  14 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-882-164D-13

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              | ||||||||||||
Db         14 TCAAAAAAAAAAAA 1


RESULT 3038
US-08-882-164D-18/c
; Sequence 18, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-18

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              | ||||||||||||
Db         14 ATAAAAAAAAAAAA 1


RESULT 3039
US-08-882-164D-19/c
; Sequence 19, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-19

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              | ||||||||||||
Db         14 GTAAAAAAAAAAAA 1


RESULT 3040
US-08-882-164D-22
; Sequence 22, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
```

```
;       CITY:  Toronto
;       STATE:  Ontario
;       COUNTRY:  Canada
;       ZIP:  M5L 1A9
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;       COMPUTER:  COMPAQ, IBM PC compatible
;       OPERATING SYSTEM:  MS-DOS 5.1
;       SOFTWARE:  WORD PERFECT
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/882,164D
;       FILING DATE:  June 25, 1997
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/667,546
;       FILING DATE:  June 21, 1996
;       APPLICATION NUMBER:  08/724,466
;       FILING DATE:  October 1, 1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Hunt, John C.
;       REGISTRATION NUMBER:  36,424
;       REFERENCE/DOCKET NUMBER:  50767/00010
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (416) 863-4344
;       TELEFAX:  (416) 863-2653
;   INFORMATION FOR SEQ ID NO:  22:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  14 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-882-164D-22

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 14;
  Best Local Similarity   92.9%;  Pred. No. 1.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTT 2179
              ||||||||||||| |
Db          1 TTTTTTTTTTTTCT 14


RESULT 3041
US-08-832-021-18/c
; Sequence 18, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 18
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-18

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAA 2796
              || ||||||||||
Db         14 TTAAAAAAAAAAAA 1
```

```
RESULT 3042
US-08-292-620A-365
; Sequence 365, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  365:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-365

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   7.1%;  Pred. No. 1.8e+03;
  Matches    1;  Conservative   12;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTA 2187
              ::::::::::::: |
Db          1 UUUUUUUUUUUUCA 14


RESULT 3043
US-08-832-021-19/c
; Sequence 19, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
```

```
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-19

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAA 2796
              || ||||||||||
Db         14 TTAAAAAAAAAAAA 1


RESULT 3044
US-08-832-021-23
; Sequence 23, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-23

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTA 2187
              ||||||||||||| |
Db          1 TTTTTTTTTTTTCA 14


RESULT 3045
US-08-832-021-24
; Sequence 24, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 24
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-24

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTA 2187
              ||||||||||||| |
Db          1 TTTTTTTTTTTTCA 14


RESULT 3046
US-09-071-845-365
; Sequence 365, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/071,845
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620
;      FILING DATE:  August 17, 1994
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  365:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
```

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;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-071-845-365

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   7.1%;  Pred. No. 1.8e+03;
  Matches    1;  Conservative   12;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTA 2187
              :::::::::::: |
Db          1 UUUUUUUUUUUCA 14


RESULT 3047
US-08-832-021-26/c
; Sequence 26, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-26

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              | ||||||||||||
Db         14 TCAAAAAAAAAAAA 1


RESULT 3048
US-08-832-021-30/c
; Sequence 30, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 30
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-30

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2798
              | ||||||||||||
Db         14 GTAAAAAAAAAAA 1


RESULT 3049
US-08-832-021-32/c
; Sequence 32, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-32

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAA 2798
              | ||||||||||||
Db         14 GTAAAAAAAAAAA 1


RESULT 3050
US-08-832-021-37
; Sequence 37, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 37
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-37

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGAA 1784
              |||||||||||| |
Db          2 TTTTTTTTTTGCA 15


RESULT 3051
```

US-08-832-021-53/c
; Sequence 53, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 53
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-53

Query Match 0.4%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.8e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAA 2799
| ||||||||||||
Db 14 ATAAAAAAAAAAAA 1

RESULT 3052
US-08-832-021-58
; Sequence 58, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-58

Query Match 0.4%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.8e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTT 2179
|||||||||||| |
Db 1 TTTTTTTTTTTCT 14

RESULT 3053
US-08-832-021-61/c
; Sequence 61, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 61
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-61

Query Match 0.4%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.8e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAA 2799
| ||||||||||||
Db 14 ACAAAAAAAAAAAA 1

RESULT 3054
US-08-832-021-62
; Sequence 62, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-62

Query Match 0.4%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.8e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTTT 2179
|||||||||||| |
Db 1 TTTTTTTTTTTGT 14

RESULT 3055
US-08-832-021-27/c
; Sequence 27, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64

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;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-27

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              | ||||||||||||
Db         14 TCAAAAAAAAAAAA 1


RESULT 3056
US-08-832-021-28/c
; Sequence 28, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-28

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAAA 2797
              | ||||||||||||
Db         14 TCAAAAAAAAAAAA 1


RESULT 3057
US-08-832-021-31/c
; Sequence 31, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 31
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-31

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              | ||||||||||||
Db         14 GTAAAAAAAAAAAA 1


RESULT 3058
US-08-832-021-55/c
; Sequence 55, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 55
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-55

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              | ||||||||||||
Db         14 ATAAAAAAAAAAAA 1


RESULT 3059
US-08-832-021-59
; Sequence 59, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-59

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 15;
  Best Local Similarity   92.9%;  Pred. No. 1.8e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTT 2179
```

```
                    ||||||||||||| |
Db          1 TTTTTTTTTTTTCT 14


RESULT 3060
US-08-584-040-2546/c
; Sequence 2546, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2546:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2546

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 2.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGT 1992
                ||||||| ||||||
Db         17 AAAAAAAAAAAAGT 4


RESULT 3061
US-09-371-772B-1070/c
; Sequence 1070, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1070
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1070

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 2.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGT 1992
                ||||||| ||||||
Db         17 AAAAAAAAAAAAGT 4


RESULT 3062
US-08-373-124A-1907/c
; Sequence 1907, Application US/08373124A
; Patent No. 5646042
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/373,124A
;      FILING DATE:  January 13, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
```

```
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1907:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-373-124A-1907

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 2.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2178 TTTTTTTTTAACTT 2191
              ||||||||||| ||
Db         17 TTTTTTTTTAAATT 4


RESULT 3063
US-08-435-628-1907/c
; Sequence 1907, Application US/08435628
; Patent No. 5817796
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/435,628
;      FILING DATE:  05-MAY-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/373,124
;      FILING DATE:  January 13, 1995
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
;      FILING DATE:  December 7, 1992
;      APPLICATION NUMBER:  07/936,422
;      FILING DATE:  August 26, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/035
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1907:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-435-628-1907

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 2.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2178 TTTTTTTTTAACTT 2191
              ||||||||||| ||
Db         17 TTTTTTTTTAAATT 4


RESULT 3064
US-09-827-998-482/c
; Sequence 482, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
;  APPLICANT: Gu, Yizhong
;  APPLICANT:  Shannon, Mark
;  TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
;  FILE REFERENCE: MDhMORF-8
;  CURRENT APPLICATION NUMBER: US/09/827,998
;  CURRENT FILING DATE:  2001-04-06
;  PRIOR APPLICATION NUMBER: US 60/207,456
;  PRIOR FILING DATE: 2000-05-26
;  PRIOR APPLICATION NUMBER: US 60/236,359
;  PRIOR FILING DATE: 2000-09-27
;  NUMBER OF SEQ ID NOS: 1881
;  SOFTWARE: Aeomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 482
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-827-998-482

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 17;
  Best Local Similarity   92.9%;  Pred. No. 2.5e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2165 CTTTTTTTTTTTTT 2178
              |||| |||||||||
Db         16 CTTTCTTTTTTTT 3


RESULT 3065
US-09-593-589-26
; Sequence 26, Application US/09593589
; Patent No. 6306655
; GENERAL INFORMATION:
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF C/EBP ALPHA EXPRESSION
;  FILE REFERENCE:  RTS-0119
;  CURRENT APPLICATION NUMBER: US/09/593,589
;  CURRENT FILING DATE:  2000-06-13
;  NUMBER OF SEQ ID NOS:  94
; SEQ ID NO 26
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-593-589-26

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 20;
  Best Local Similarity   92.9%;  Pred. No. 3.3e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        378 AGTCGGCCGACCCC 391
              ||||||||||| ||
```

```
Db          7 AGTCGGCCGACTCC 20


RESULT 3066
US-08-235-180-25/c
; Sequence 25, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  25:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-25

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 22;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              | ||||||||||||
Db         22 ATAAAAAAAAAAAA 9


RESULT 3067
US-08-235-180-26/c
; Sequence 26, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-26

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 22;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              | ||||||||||||
Db         22 GTAAAAAAAAAAAA 9


RESULT 3068
US-08-332-420-7/c
; Sequence 7, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
```

```
;       APPLICATION NUMBER:  08/235,180
;       FILING DATE:  April 29, 1994
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  210/041
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-332-420-7

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 22;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              | ||||||||||||
Db         22 ATAAAAAAAAAAAA 9


RESULT 3069
US-08-332-420-8/c
; Sequence 8, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-8

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 22;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              | ||||||||||||
Db         22 GTAAAAAAAAAAAA 9


RESULT 3070
US-08-235-180-22/c
; Sequence 22, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  22:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-22

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 22;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
              | ||||||||||||
Db         22 ACAAAAAAAAAAAA 9


RESULT 3071
US-08-235-180-30/c
; Sequence 30, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
```

```
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-30

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 22;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
             | ||||||||||||
Db         22 GCAAAAAAAAAAAA 9


RESULT 3072
US-08-332-420-4/c
; Sequence 4, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE;  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-4

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 22;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAA 2799
             | ||||||||||||
Db         22 ACAAAAAAAAAAAA 9


RESULT 3073
US-08-332-420-12/c
; Sequence 12, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
```

```
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-12

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 22;
  Best Local Similarity   92.9%;  Pred. No. 3.6e+03;
  Matches   13;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAA 2798
              | ||||||||||||
Db         22 GCAAAAAAAAAAAA 9


RESULT 3074
US-08-570-155-17/c
; Sequence 17, Application US/08570155
; Patent No. 5962332
;  GENERAL INFORMATION:
;    APPLICANT:  Singer, Robert H.
;    APPLICANT:  Taneja, Krishan L.
;    TITLE OF INVENTION:  DETECTION OF TRINUCLEOTIDE REPEATS
;    TITLE OF INVENTION:  BY IN SITU HYBRIDIZATION
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FISH & RICHARDSON P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/570,155
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/399,499
;      FILING DATE:  07 March 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/214,823
;      FILING DATE:  17 March 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clark, Paul T.
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  06353/011001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-570-155-17

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 24;
  Best Local Similarity   66.7%;  Pred. No. 3.5e+03;
  Matches   16;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy        429 ACCCCCTGCACCAGCCGGCGCCCA 452
              | || | ||  | |||| |||| |
Db         24 ANCCGCCGCCGCCGCCGCCGCCNA 1


RESULT 3075
```

```
US-09-352-608-9/c
; Sequence 9, Application US/09352608
; Patent No. 6218598
; GENERAL INFORMATION:
;  APPLICANT: ISHIGE, Fumiharu
;  APPLICANT: NISHIKAWA, Satomi
;  APPLICANT: OEDA, Kenji
;  TITLE OF INVENTION: Plant Promoter
;  FILE REFERENCE: 2185-0353P
;  CURRENT APPLICATION NUMBER: US/09/352,608
;  CURRENT FILING DATE: 1999-07-13
;  EARLIER APPLICATION NUMBER: 10-200372 JAPAN
;  EARLIER FILING DATE: 1998-07-15
;  NUMBER OF SEQ ID NOS: 20
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
;   LENGTH: 25
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:primer
US-09-352-608-9

  Query Match             0.4%;  Score 12.4;  DB 1;  Length 25;
  Best Local Similarity   72.7%;  Pred. No. 3.5e+03;
  Matches   16;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy       2484 AATGGTGATGGGGTAATCTATA 2505
              |||| ||| | | | ||||| |
Db         24 AATGTTGAGGTGTTGATCTAGA 3


RESULT 3076
US-08-584-040-2556
; Sequence 2556, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
```

```
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2556:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2556

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 2.7e+03;
  Matches    2;  Conservative   12;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTAACT 2190
              ::::::::::  || :
Db          1 UUUUUUUUUUUCCAAAU 17


RESULT 3077
US-09-371-772B-1080
; Sequence 1080, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1080
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1080

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   11.8%;  Pred. No. 2.7e+03;
  Matches    2;  Conservative   12;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2174 TTTTTTTTTTTTTAACT 2190
              ::::::::::  || :
Db          1 UUUUUUUUUUUCCAAAU 17


RESULT 3078
US-08-909-742-3
; Sequence 3, Application US/08909742
; Patent No. 6007991
;  GENERAL INFORMATION:
;    APPLICANT:  Vimala S. Sivaraman
;    APPLICANT:  Hsien-Yu Wang
;    APPLICANT:  Craig C. Malbon
;    TITLE OF INVENTION:  ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-
;    TITLE OF INVENTION:  ACTIVATED PROTEIN KINASES AS THERAPY FOR
;    TITLE OF INVENTION:  BREAST CANCER
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron, LLP
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Word Perfect 6.1 for windows
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/909,742
;      FILING DATE:  August 12, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/831,994
;      FILING DATE:  April 1, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/827,520
;      FILING DATE:  March 28, 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Adams, Lindsay S.
;      REGISTRATION NUMBER:  36,425
;      REFERENCE/DOCKET NUMBER:  178-225 CIP II
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  mRNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-909-742-3

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 2.7e+03;
  Matches   13;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        410 GCGTACGCCGCCGCCAT 426
              ||   ||||||||||:
Db          1 GCCGCCGCCGCCGCCAU 17


RESULT 3079
US-08-909-742-4
; Sequence 4, Application US/08909742
; Patent No. 6007991
;  GENERAL INFORMATION:
;    APPLICANT:  Vimala S. Sivaraman
;    APPLICANT:  Hsien-Yu Wang
;    APPLICANT:  Craig C. Malbon
;    TITLE OF INVENTION:  ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-
;    TITLE OF INVENTION:  ACTIVATED PROTEIN KINASES AS THERAPY FOR
;    TITLE OF INVENTION:  BREAST CANCER
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Hoffmann & Baron, LLP
;      STREET:  350 Jericho Turnpike
;      CITY:  Jericho
;      STATE:  New York
;      COUNTRY:  USA
;      ZIP:  11753
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Word Perfect 6.1 for windows
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/909,742
;      FILING DATE:  August 12, 1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
```

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;      APPLICATION NUMBER:  08/831,994
;      FILING DATE:  April 1, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/827,520
;      FILING DATE:  March 28, 1997
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Adams, Lindsay S.
;      REGISTRATION NUMBER:  36,425
;      REFERENCE/DOCKET NUMBER:  178-225 CIP II
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (516) 822-3550
;      TELEFAX:  (516) 822-3582
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-909-742-4

  Query Match              0.4%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 2.7e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        410 GCGTACGCCGCCGCCAT 426
              ||   ||||||||||||
Db          1 GCCGCCGCCGCCGCCAT 17


RESULT 3080
US-09-412-289-3
; Sequence 3, Application US/09412289
; Patent No. 6271210
; GENERAL INFORMATION:
;  APPLICANT: Sivaraman, Vimala S.
;  APPLICANT: Wang, Hsien-Yu
;  APPLICANT: Malbon, Craig C.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-ACTIVATED
;  TITLE OF INVENTION: PROTEIN KINASES AS THERAPY FOR CANCER
;  FILE REFERENCE: Seq. 1-4 (178-225 CIP II/CON)
;  CURRENT APPLICATION NUMBER: US/09/412,289
;  CURRENT FILING DATE: 1999-10-05
;  EARLIER APPLICATION NUMBER: 08/909,742
;  EARLIER FILING DATE: 1997-08-12
;  EARLIER APPLICATION NUMBER: 08/831,994
;  EARLIER FILING DATE: 1997-04-01
;  EARLIER APPLICATION NUMBER: 08/827,520
;  EARLIER FILING DATE: 1997-03-28
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthesized
;   OTHER INFORMATION: antisense oligonucleotide
US-09-412-289-3

  Query Match              0.4%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   76.5%;  Pred. No. 2.7e+03;
  Matches   13;  Conservative    1;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        410 GCGTACGCCGCCGCCAT 426
              ||   |||||||||||:
Db          1 GCCGCCGCCGCCGCCAU 17


RESULT 3081
US-09-412-289-4
; Sequence 4, Application US/09412289
; Patent No. 6271210
; GENERAL INFORMATION:
;  APPLICANT: Sivaraman, Vimala S.
;  APPLICANT: Wang, Hsien-Yu
;  APPLICANT: Malbon, Craig C.
;  TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR MITOGEN-ACTIVATED
;  TITLE OF INVENTION: PROTEIN KINASES AS THERAPY FOR CANCER
;  FILE REFERENCE: Seq. 1-4 (178-225 CIP II/CON)
;  CURRENT APPLICATION NUMBER: US/09/412,289
;  CURRENT FILING DATE: 1999-10-05
;  EARLIER APPLICATION NUMBER: 08/909,742
;  EARLIER FILING DATE: 1997-08-12
;  EARLIER APPLICATION NUMBER: 08/831,994
;  EARLIER FILING DATE: 1997-04-01
;  EARLIER APPLICATION NUMBER: 08/827,520
;  EARLIER FILING DATE: 1997-03-28
;  NUMBER OF SEQ ID NOS: 4
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 4
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: synthesized
;   OTHER INFORMATION: antisense oligonucleotide
US-09-412-289-4

  Query Match              0.4%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 2.7e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        410 GCGTACGCCGCCGCCAT 426
              ||   ||||||||||||
Db          1 GCCGCCGCCGCCGCCAT 17


RESULT 3082
US-08-373-124A-2149/c
; Sequence 2149, Application US/08373124A
; Patent No. 5646042
;  GENERAL INFORMATION:
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Draper, Kenneth
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Jarvis, Thale
;    TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;    TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;    TITLE OF INVENTION:  CANCER USING RIBOZYMES
;    NUMBER OF SEQUENCES:  2627
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/373,124A
;      FILING DATE:  January 13, 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/245,466
;      FILING DATE:  May 18, 1994
;      APPLICATION NUMBER:  08/192,943
;      FILING DATE:  February 7, 1994
;      APPLICATION NUMBER:  07/987,132
```

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;       FILING DATE:  December 7, 1992
;       APPLICATION NUMBER:  07/936,422
;       FILING DATE:  August 26, 1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  209/035
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  2149:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-373-124A-2149

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 2.7e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAAAA 2798
                ||  |||||| ||||||
Db         17 ATATAAAAAATAAAAAA 1


RESULT 3083
US-08-435-628-2149/c
; Sequence 2149, Application US/08435628
; Patent No. 5817796
;  GENERAL INFORMATION:
;     APPLICANT:  Stinchcomb, Dan T.
;     APPLICANT:  Draper, Kenneth
;     APPLICANT:  McSwiggen, James
;     APPLICANT:  Jarvis, Thale
;     TITLE OF INVENTION:  METHODS AND COMPOSITIONS FOR
;     TITLE OF INVENTION:  TREATMENT OF RESTENOSIS AND
;     TITLE OF INVENTION:  CANCER USING RIBOZYMES
;     NUMBER OF SEQUENCES:  2627
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Lyon & Lyon
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/435,628
;       FILING DATE:  05-MAY-1995
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/373,124
;       FILING DATE:  January 13, 1995
;       APPLICATION NUMBER:  08/245,466
;       FILING DATE:  May 18, 1994
;       APPLICATION NUMBER:  08/192,943
;       FILING DATE:  February 7, 1994
;       APPLICATION NUMBER:  07/987,132
;       FILING DATE:  December 7, 1992
;       APPLICATION NUMBER:  07/936,422
;       FILING DATE:  August 26, 1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  209/035
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  2149:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-435-628-2149

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 2.7e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAAAA 2798
                ||  |||||| ||||||
Db         17 ATATAAAAAATAAAAAA 1


RESULT 3084
US-08-894-731-5
; Sequence 5, Application US/08894731
; Patent No. 6084089
; GENERAL INFORMATION:
;  APPLICANT: MINE, Toshiki
;  APPLICANT: OHYAMA, Akio
;  APPLICANT: HIYOSHI, Toru
;  APPLICANT: KASAOKA, Keisuke
;  TITLE OF INVENTION: COLD-INDUCIBLE PROMOTER SEQUENCE
;  FILE REFERENCE: 760-234P
;  CURRENT APPLICATION NUMBER: US/08/894,731
;  CURRENT FILING DATE: 1997-10-27
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
;   LENGTH: 17
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:Synthetic
;   OTHER INFORMATION: Oligonucleotide
US-08-894-731-5

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 17;
  Best Local Similarity   82.4%;  Pred. No. 2.7e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAA 2801
                ||||||  ||| |||||
Db          1 GAAAAAGGAAATAAAAA 17


RESULT 3085
US-09-725-265-43/c
; Sequence 43, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
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;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-43

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 3e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGTGTG 1995
              ||||||| ||||| | |
Db         18 AAAAAAAAAAAAGGGGG 2


RESULT 3086
US-09-725-265-47
; Sequence 47, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 47
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-47

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 3e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGTGTG 1995
              ||||||| ||||| | |
Db          1 AAAAAAAAAAAAGGGGG 17


RESULT 3087
US-09-143-212-44/c
; Sequence 44, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia and Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
;  FILE REFERENCE: RTS-0005
;  CURRENT APPLICATION NUMBER: US/09/143,212B
;  CURRENT FILING DATE: 1998-08-28
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 44
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-44

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 18;
  Best Local Similarity   82.4%;  Pred. No. 3e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        407 GAAGCGTACGCCGCCGC 423
              |||||   |||||||||
Db         17 GAAGCCGCCGCCGCCGC 1


RESULT 3088
US-09-338-907-536
; Sequence 536, Application US/09338907
; Patent No. 6265546
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: PROSTATE CANCER GENE
;  FILE REFERENCE: GENSET.18CP1CP
;  CURRENT APPLICATION NUMBER: US/09/338,907
;  CURRENT FILING DATE: 1999-06-23
;  EARLIER APPLICATION NUMBER: 08/996,306
;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  EARLIER APPLICATION NUMBER: 09/218,207
;  EARLIER FILING DATE: 1998-12-22
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 536
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: misc_feature
;   LOCATION: 1..19
;   OTHER INFORMATION: potential microsequencing oligo for 4-58-318.mis2
US-09-338-907-536

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 19;
  Best Local Similarity   82.4%;  Pred. No. 3.3e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1511 AGGAAATAAAATTGGAA 1527
              | |||||||| ||| ||
Db          2 AAGAAATAAACTTGCAA 18


RESULT 3089
US-09-218-207-536
; Sequence 536, Application US/09218207
; Patent No. 6346381
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Ilya, Chumakov
;  APPLICANT: Bougueleret, Lydie
;  TITLE OF INVENTION: Prostate cancer gene
;  FILE REFERENCE: GENSET.018CP1
;  CURRENT APPLICATION NUMBER: US/09/218,207
;  CURRENT FILING DATE: 1998-12-22
;  EARLIER APPLICATION NUMBER: 08/996,306
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;  EARLIER FILING DATE: 1997-12-22
;  EARLIER APPLICATION NUMBER: 60/099,658
;  EARLIER FILING DATE: 1998-09-09
;  NUMBER OF SEQ ID NOS: 578
;  SOFTWARE: Patent.pm
; SEQ ID NO 536
;    LENGTH: 19
;    TYPE: DNA
;    ORGANISM: Homo Sapiens
;    FEATURE:
;    NAME/KEY: misc_feature
;    LOCATION: 1..19
;    OTHER INFORMATION: potential microsequencing oligo for 4-58-318.mis2
US-09-218-207-536

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 19;
  Best Local Similarity   82.4%;  Pred. No. 3.3e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1511 AGGAAATAAAATTGGAA 1527
                | |||||||| ||| ||
Db          2 AAGAAATAAACTTGCAA 18


RESULT 3090
US-09-422-978-5206
; Sequence 5206, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5206
;    LENGTH: 19
;    TYPE: DNA
;    ORGANISM: Homo Sapiens
;    FEATURE:
;    NAME/KEY: primer_bind
;    LOCATION: 1..19
;    OTHER INFORMATION: upstream amplification primer 99-22513 for SEQ 1272,
US-09-422-978-5206

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 19;
  Best Local Similarity   82.4%;  Pred. No. 3.3e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTT 2180
              |||||||| || || ||
Db          2 CCTTTTTTGTTGTTGTT 18


RESULT 3091
US-09-101-886B-15/c
; Sequence 15, Application US/09101886B
; Patent No. 6197507
;  GENERAL INFORMATION:
;     APPLICANT:  BERG, THOMAS
;     APPLICANT:  TOLLERSRUD, OLE K
;     APPLICANT:  NILSSEN, OIVIND
;     TITLE OF INVENTION:  GENETIC TEST FOR ALPHA-MANNOSIDOSIS
;     NUMBER OF SEQUENCES:  104
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  BARBARA G. ERNST
;       STREET:  555 13TH STREET, NW  SUITE 701E
;       CITY:  WASHINGTON
;       STATE:  DC
;       COUNTRY:  USA
;       ZIP:  20004
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/101,886B
;       FILING DATE:  29-JANUARY-1998
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/GB97/00109
;       FILING DATE:  12-JAN-1997
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  ERNST, BARBARA G
;       REGISTRATION NUMBER:  30,377
;       REFERENCE/DOCKET NUMBER:  1181-240
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  202-783-6040
;       TELEFAX:  202-783-6031
;  INFORMATION FOR SEQ ID NO:  15:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  /desc = "oligonucleotide"
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  YES
US-09-101-886B-15

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 20;
  Best Local Similarity   82.4%;  Pred. No. 3.5e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        434 CTGCACCAGCCGGCGCC 450
              ||||| | |||| ||||
Db         19 CTGCAGCCGCCGCCGCC 3


RESULT 3092
US-09-422-978-5201
; Sequence 5201, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5201
;    LENGTH: 20
;    TYPE: DNA
;    ORGANISM: Homo Sapiens
;    FEATURE:
;    NAME/KEY: primer_bind
;    LOCATION: 1..20
;    OTHER INFORMATION: upstream amplification primer 99-22490 for SEQ 1267,
```

US-09-422-978-5201

Query Match 0.4%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 3.5e+03;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy       1626 TACCTACCTTACTATTT 1642
              | ||| |||| ||||||
Db          2 TTCCTTCCTTCCTATTT 18
```

RESULT 3093
US-09-166-186-54/c
; Sequence 54, Application US/09166186A
; Patent No. 6080580
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda
; APPLICANT: Bennett, C. Frank
; APPLICANT: Butler, Madeline M.
; APPLICANT: Shanahan, William R.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-a EXPRESSION
; FILE REFERENCE: ISPH-0322
; CURRENT APPLICATION NUMBER: US/09/166,186A
; CURRENT FILING DATE: 1998-10-05
; NUMBER OF SEQ ID NOS: 250
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: antisense sequence
US-09-166-186-54

Query Match 0.4%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 3.5e+03;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy       1494 AGAAAATGGAGAAACAC 1510
              | || |||||||||| ||
Db         18 AAAACATGGAGAAAGAC 2
```

RESULT 3094
US-09-313-932-54/c
; Sequence 54, Application US/09313932A
; Patent No. 6228642
; GENERAL INFORMATION:
; APPLICANT: Baker, Brenda
; APPLICANT: Bennett, C. Frank
; APPLICANT: Butler, Madeline M.
; APPLICANT: Shanahan, William R.
; TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE MODULATION OF TNF-
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: ISPH-0356
; CURRENT APPLICATION NUMBER: US/09/313,932A
; CURRENT FILING DATE: 1999-05-18
; NUMBER OF SEQ ID NOS: 501
; SEQ ID NO 54
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-313-932-54

Query Match 0.4%; Score 12.2; DB 1; Length 20;
Best Local Similarity 82.4%; Pred. No. 3.5e+03;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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Qy       1494 AGAAAATGGAGAAACAC 1510
              | || |||||||||| ||
Db         18 AAAACATGGAGAAAGAC 2
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RESULT 3095
US-07-974-409C-346/c
; Sequence 346, Application US/07974409C
; Patent No. 6300058
; GENERAL INFORMATION:
; APPLICANT: Akitaya, Tatsuo
; APPLICANT: Mitsuhashi, Masato
; APPLICANT: Cooper, Allan
; TITLE OF INVENTION: METHOD AND REAGENT
; TITLE OF INVENTION: FOR MEASURING MESSENGER RNA
; NUMBER OF SEQUENCES: 457
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens, Olson, and Bear
; STREET: 620 Newport Center Dr. Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/974,409C
; FILING DATE: 12-NOV-1992
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Altman, Daniel E.
; REGISTRATION NUMBER: 34,115
; REFERENCE/DOCKET NUMBER: HITACHI.006CP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 714-760-0404
; TELEFAX: 714-760-9502
; INFORMATION FOR SEQ ID NO: 346:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 21
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-07-974-409C-346

Query Match 0.4%; Score 12.2; DB 1; Length 21;
Best Local Similarity 82.4%; Pred. No. 3.6e+03;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

```
Qy         53 GGCGGGGGCGGCGGCAG 69
              |||| | |||||||||
Db         20 GGCGCCGTCGGCGGCAG 4
```

RESULT 3096
US-09-428-236-16
; Sequence 16, Application US/09428236
; Patent No. 6472153
; GENERAL INFORMATION:
; APPLICANT: Dempcy, Robert, O.
; APPLICANT: Afonina, Irina A.
; APPLICANT: Vermeulen, Nicolaas M.
; TITLE OF INVENTION: HYBRIDIZATION-TRIGGERED FLUORESCENT
; TITLE OF INVENTION: DETECTION OF NUCLEIC ACIDS
; FILE REFERENCE: 344692000600
; CURRENT APPLICATION NUMBER: US/09/428,236
; CURRENT FILING DATE: 1999-10-26
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 16
; LENGTH: 21
; TYPE: DNA

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;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: synthetic construct
US-09-428-236-16

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 21;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2157 TTTTTCTCCTTTTTTTT 2173
              | ||||| ||||| |||
Db          1 TCTTTCTTCTTTTCTTT 17


RESULT 3097
US-08-235-180-27/c
; Sequence 27, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/235,180
;      FILING DATE:  April 29, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  205/026
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  27:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-235-180-27

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGTGTG 1995
              ||||||| |||||  ||
Db         20 AAAAAAAAAAAAGCTTG 4


RESULT 3098
US-08-332-420-9/c
; Sequence 9, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  9:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-9

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGTGTG 1995
              ||||||| |||||  ||
Db         20 AAAAAAAAAAAAGCTTG 4


RESULT 3099
US-08-235-180-23/c
; Sequence 23, Application US/08235180
; Patent No. 5580726
;  GENERAL INFORMATION:
;    APPLICANT:  Bryant Villeponteau
;    APPLICANT:  Junli Feng
;    APPLICANT:  Walter Funk
;    APPLICANT:  Maarten Linskens
;    TITLE OF INVENTION:  METHOD AND KIT FOR ENHANCED
;    TITLE OF INVENTION:  DIFFERENTIAL DISPLAY
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  611 West Sixth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
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;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM MS-DOS (Version 5.0)
;       SOFTWARE:  WordPerfect (Version 5.1)
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/235,180
;       FILING DATE:  April 29, 1994
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;     PRIOR APPLICATION DATA:  including application
;     PRIOR APPLICATION DATA:  described below:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  205/026
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  23:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  22
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-235-180-23

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGTGTG 1995
              ||||||| |||||  ||
Db         20 AAAAAAAAAAAAGCTTG 4


RESULT 3100
US-08-332-420-5/c
; Sequence 5, Application US/08332420
; Patent No. 5744300
;  GENERAL INFORMATION:
;    APPLICANT:  Maarten H.K. Linskens, et al.
;    TITLE OF INVENTION:  METHODS AND REAGENTS FOR THE
;    TITLE OF INVENTION:  IDENTIFICATION AND REGULATION
;    TITLE OF INVENTION:  OF SENESCENCE-RELATED GENES
;    NUMBER OF SEQUENCES:  70
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  90017
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 5.0)
;      SOFTWARE:  WordPerfect (Version 5.1)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,420
;      FILING DATE:  October 31, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/235,180
;      FILING DATE:  April 29, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  210/041
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-420-5

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGTGTG 1995
              ||||||| |||||  ||
Db         20 AAAAAAAAAAAAGCTTG 4


RESULT 3101
US-08-974-180-1/c
; Sequence 1, Application US/08974180
; Patent No. 6025194
;  GENERAL INFORMATION:
;    APPLICANT:  Funk, Walter
;    TITLE OF INVENTION:  Methods for Modulating and Identifying
;    TITLE OF INVENTION:  Cellular Senescence
;    NUMBER OF SEQUENCES:  36
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Geron Corporation
;      STREET:  230 Constitution Drive
;      CITY:  Menlo Park
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/974,180
;      FILING DATE:  19-NOV-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kaster, Kevin R.
;      REGISTRATION NUMBER:  32,704
;      REFERENCE/DOCKET NUMBER:  206
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (650) 473-7779
;      TELEFAX:  (650) 473-8654
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    FEATURE:
;      NAME/KEY:  -
;      LOCATION:  1..22
;      OTHER INFORMATION:  /note= "3' primer "E""
US-08-974-180-1

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1979 AAAAAAAGAAAAGTGTG 1995
              ||||||| |||||  ||
Db         20 AAAAAAAAAAAAGCTTG 4
```

```
RESULT 3102
US-07-988-430-60
; Sequence 60, Application US/07988430
; Patent No. 5416202
;  GENERAL INFORMATION:
;    APPLICANT:  Bernhard, Susan L.
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Lane, Julie A.
;    APPLICANT:  Lei, Shau-Ping
;    TITLE OF INVENTION:  Materials Comprising and Methods of
;    TITLE OF INVENTION:  Preparation and Use for Ribosome-Inactivating Proteins
;    NUMBER OF SEQUENCES:  101
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/988,430
;      FILING DATE:  19921209
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  No. 5416202and, Greta E.
;      REGISTRATION NUMBER:  35302
;      REFERENCE/DOCKET NUMBER:  31133
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  60:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-07-988-430-60

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
                || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3103
US-08-425-336-58
; Sequence 58, Application US/08425336
; Patent No. 5621083
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribsome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  140
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray & Borun
;      STREET:  6300 Sears Tower, 233 South Wacker Drive
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60606-6402
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/425,336
;      FILING DATE:  18-APR-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/064,691
;      FILING DATE:  12-MAY-1993
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Meyers, Thomas C.
;      REGISTRATION NUMBER:  P-36,989
;      REFERENCE/DOCKET NUMBER:  31394
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/474-6300
;      TELEFAX:  312/474-0448
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-425-336-58

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
                || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3104
US-08-488-113B-58
; Sequence 58, Application US/08488113B
; Patent No. 5744580
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  169
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

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;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/488,113B
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/425,336
;      FILING DATE:  18-APR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  11022US07/200-70.P3.C2A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-488-113B-58

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
              || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3105
US-08-477-484B-58
; Sequence 58, Application US/08477484B
; Patent No. 5756699
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  169
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/477,484B
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/425,336
;      FILING DATE:  18-APR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  11022US07/200-70.P3.C2A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-477-484B-58

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
              || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3106
US-08-646-360-58
; Sequence 58, Application US/08646360
; Patent No. 5837491
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  173
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/646,360
;      FILING DATE:  13-MAY-1996
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/05348
;      FILING DATE:  12-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
```

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;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  200-70.P4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-646-360-58

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
              || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3107
US-08-839-765-58
; Sequence 58, Application US/08839765
; Patent No. 6146631
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  169
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/839,765
;      FILING DATE:  15-APR-1997
;      CLASSIFICATION:  530
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/425,336
;      FILING DATE:  18-APR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  11022US09/200-70.P3.C3
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-839-765-58

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
              || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3108
US-09-136-389-58
; Sequence 58, Application US/09136389
; Patent No. 6146850
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  173
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/136,389
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/646,360
;      FILING DATE:  13-MAY-1996
;      APPLICATION NUMBER:  PCT/US94/05348
;      FILING DATE:  12-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
```

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;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  200-70.P4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-136-389-58

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
                || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3109
US-09-610-838-58
; Sequence 58, Application US/09610838
; Patent No. 6376217
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  173
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/610,838
;      FILING DATE:  06-JUL-2000
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/136,389
;      FILING DATE:  18-AUG-1998
;      APPLICATION NUMBER:  08/646,360
;      FILING DATE:  13-MAY-1996
;      APPLICATION NUMBER:  PCT/US94/05348
;      FILING DATE:  12-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  200-70.P4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-610-838-58

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
                || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3110
US-09-711-485-58
; Sequence 58, Application US/09711485
; Patent No. 6649742
;  GENERAL INFORMATION:
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Studnika, Gary M.
;    TITLE OF INVENTION:  Immunotoxins Comprising Ribosome-Inactivating
;    TITLE OF INVENTION:  Proteins
;    NUMBER OF SEQUENCES:  169
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  McAndrews, Held & Malloy, Ltd.
;      STREET:  500 West Madison Street, 34th floor
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60661
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/711,485
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/839,765
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/064,691
;      FILING DATE:  12-MAY-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/988,430
;      FILING DATE:  09-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McNicholas, Janet M.
;      REGISTRATION NUMBER:  32,918
;      REFERENCE/DOCKET NUMBER:  11022US09/200-70.P3.C3
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;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  312/707-8889
;      TELEFAX:  312/707-9155
;      TELEX:  650 388-1248
;  INFORMATION FOR SEQ ID NO:  58:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-09-711-485-58

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
              || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3111
PCT-US92-09487-60
; Sequence 60, Application PC/TUS9209487
;  GENERAL INFORMATION:
;    APPLICANT:  Bernhard, Susan L.
;    APPLICANT:  Better, Marc D.
;    APPLICANT:  Carroll, Stephen F.
;    APPLICANT:  Lane, Julie A.
;    APPLICANT:  Lei, Shau-Ping
;    TITLE OF INVENTION:  Materials Comprising and Methods of
;    TITLE OF INVENTION:  Preparation and Use for Ribosome-Inactivating Proteins
;    NUMBER OF SEQUENCES:  101
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Marshall, O'Toole, Gerstein, Murray &
;      ADDRESSEE:  Bicknell
;      STREET:  Two First National Plaza, 20 South Clark
;      STREET:  Street
;      CITY:  Chicago
;      STATE:  Illinois
;      COUNTRY:  USA
;      ZIP:  60603
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/09487
;      FILING DATE:  19921104
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/901,707
;      FILING DATE:  19-JUN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/787,567
;      FILING DATE:  04-NOV-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Noland, Greta E.
;      REGISTRATION NUMBER:  35302
;      REFERENCE/DOCKET NUMBER:  31133
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (312) 346-5750
;      TELEFAX:  (312) 984-9740
;      TELEX:  25-3856
;  INFORMATION FOR SEQ ID NO:  60:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  22 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
PCT-US92-09487-60

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 22;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2452 AGACATGGGATCCAATT 2468
              || ||||| |||| |||
Db          2 AGCCATGGAATCCCATT 18


RESULT 3112
PCT-US92-10792-27/c
; Sequence 27, Application PC/TUS9210792
;  GENERAL INFORMATION:
;    APPLICANT:  Jayasena, Sumedha D.
;    APPLICANT:  Johnston, Brian H.
;    TITLE OF INVENTION:  Triple Helix Formation at
;    TITLE OF INVENTION:  (PuNPyN)-(PuNPyN) Tracts
;    NUMBER OF SEQUENCES:  53
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SRI International
;      STREET:  333 Ravenswood Avenue
;      CITY:  Menlo Park
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94025
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US92/10792
;      FILING DATE:  19921211
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/826,934
;      FILING DATE:  21-JAN-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/808,452
;      FILING DATE:  13-DEC-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fabian, Gary R.
;      REGISTRATION NUMBER:  33,875
;      REFERENCE/DOCKET NUMBER:  P-3141
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 859-4550
;      TELEFAX:  (415) 859-3880
;  INFORMATION FOR SEQ ID NO:  27:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ORIGINAL SOURCE:
;      INDIVIDUAL ISOLATE:  FIGURE 12B, Dx
PCT-US92-10792-27

  Query Match             0.4%;  Score 12.2;  DB 1;  Length 24;
  Best Local Similarity   82.4%;  Pred. No. 3.6e+03;
  Matches   14;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        974 AAATCGAAAAATGGAGG 990
              |||  |||||| |||||
Db         23 AAAAGGAAAAAAGGAGG 7


RESULT 3113
US-08-332-838-3/c
; Sequence 3, Application US/08332838
```

```
; Patent No. 5529916
;  GENERAL INFORMATION:
;    APPLICANT:  Cormack, Brendan P.
;    APPLICANT:  Falkow, Stanley
;    TITLE OF INVENTION:  Leukotriene A4 Hydrolase From Candida
;    TITLE OF INVENTION:  Albicans
;    NUMBER OF SEQUENCES:  4
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert,
;      ADDRESSEE:  Attn: R.M. Silva
;      STREET:  4 Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/332,838
;      FILING DATE:  01-NOV-1994
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Silva, Robin M.
;      REGISTRATION NUMBER:  38,304
;      REFERENCE/DOCKET NUMBER:  A-60324/RFT/RMS
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-332-838-3

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3114
US-08-832-021-7/c
; Sequence 7, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-7

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3115
US-08-832-021-10
; Sequence 10, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-10

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3116
US-08-832-021-11
; Sequence 11, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-11

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12
```

```
RESULT 3117
US-08-724-466B-16/c
; Sequence 16, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-16

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3118
US-08-724-466B-20
; Sequence 20, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-20

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3119
US-08-724-466B-23
; Sequence 23, Application US/08724466B
; Patent No. 6063606
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  30
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      ZIP:  M5L 1A9
;      COUNTRY:  Canada
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/724,466B
;      FILING DATE:  October 1, 1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00004
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-724-466B-23

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3120
US-08-991-789A-130/c
; Sequence 130, Application US/08991789A
; Patent No. 6225054
;  GENERAL INFORMATION:
;       APPLICANT: Frudakis, Tony N.
;                  Smith, John M.
;                  Reed, Steven G.
;       TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
;                           TREATMENT AND DIAGNOSIS OF BREAST CANCER
;       NUMBER OF SEQUENCES: 292
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Seed IP Law Group
;            STREET: 701 Fifth Avenue, Suite 6300
;            CITY: Seattle
;            STATE: Washington
;            COUNTRY: USA
;            ZIP: 98104-7092
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: PC-DOS/MS-DOS
;            SOFTWARE: PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/08/991,789A
;            FILING DATE: 11-Dec-1997
;            CLASSIFICATION: <Unknown>
;       ATTORNEY/AGENT INFORMATION:
;            NAME: Potter, Jane E. R.
;            REGISTRATION NUMBER: 33,332
;            REFERENCE/DOCKET NUMBER: 210121.419C3
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: (206) 622-4900
;            TELEFAX: (206) 682-6031
;  INFORMATION FOR SEQ ID NO: 130:
;       SEQUENCE CHARACTERISTICS:
;            LENGTH: 14 base pairs
;            TYPE: nucleic acid
;            STRANDEDNESS: single
;            TOPOLOGY: linear
;       SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-08-991-789A-130

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3121
US-08-882-164D-16/c
; Sequence 16, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-16

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3122
US-08-882-164D-20
; Sequence 20, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
```

```
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  20:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-20

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3123
US-08-882-164D-23
; Sequence 23, Application US/08882164D
; Patent No. 6306624
;  GENERAL INFORMATION:
;    APPLICANT:  Petkovich, P. Martin, White, Jay A.,
;    APPLICANT:  Beckett, Barbara R., Jones, Glenville
;    TITLE OF INVENTION:  Retinoid Metabolizing Protein
;    NUMBER OF SEQUENCES:  43
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Blake, Cassels & Graydon
;      STREET:  Box 25, Commerce Court West
;      CITY:  Toronto
;      STATE:  Ontario
;      COUNTRY:  Canada
;      ZIP:  M5L 1A9
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 3 1/2 inch, 1.4 Mb storage
;      COMPUTER:  COMPAQ, IBM PC compatible
;      OPERATING SYSTEM:  MS-DOS 5.1
;      SOFTWARE:  WORD PERFECT
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/882,164D
;      FILING DATE:  June 25, 1997
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/667,546
;      FILING DATE:  June 21, 1996
;      APPLICATION NUMBER:  08/724,466
;      FILING DATE:  October 1, 1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hunt, John C.
;      REGISTRATION NUMBER:  36,424
;      REFERENCE/DOCKET NUMBER:  50767/00010
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (416) 863-4344
;      TELEFAX:  (416) 863-2653
;  INFORMATION FOR SEQ ID NO:  23:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-882-164D-23

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3124
US-09-062-451-130/c
; Sequence 130, Application US/09062451
; Patent No. 6344550
;  GENERAL INFORMATION:
;    APPLICANT:  Frudakis, Tony N.
;    APPLICANT:  Smith, John M.
;    APPLICANT:  Reed, Steven G.
;    TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE
;    TITLE OF INVENTION:  TREATMENT AND DIAGNOSIS OF BREAST CANCER
;    NUMBER OF SEQUENCES:  297
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY LLP
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104-7092
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/062,451
;      FILING DATE:  04-APR-1997
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Maki, David J.
;      REGISTRATION NUMBER:  31,392
;      REFERENCE/DOCKET NUMBER:  210121.419C2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  130:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  14 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-09-062-451-130

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3125
US-09-598-326-130/c
; Sequence 130, Application US/09598326
; Patent No. 6423496
;   GENERAL INFORMATION:
;        APPLICANT: Frudakis, Tony N.
;                   Smith, John M.
;                   Reed, Steven G.
;        TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
;                            TREATMENT AND DIAGNOSIS OF BREAST CANCER
;        NUMBER OF SEQUENCES: 247
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Seed Intellectual Property Law Group PLLC
;             STREET: 701 Fifth Avenue, Suite 6300
;             CITY: Seattle
;             STATE: Washington
;             COUNTRY: USA
;             ZIP: 98104-7092
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
```

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;             APPLICATION NUMBER: US/09/598,326
;             FILING DATE: 20-Jun-2000
;             CLASSIFICATION: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Potter, Jane E.R.
;             REGISTRATION NUMBER: 33,332
;             REFERENCE/DOCKET NUMBER: 210121.419D1
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (206) 622-4900
;             TELEFAX: (206) 682-6031
;   INFORMATION FOR SEQ ID NO: 130:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 14 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-09-598-326-130

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
             ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3126
US-09-370-838-47/c
; Sequence 47, Application US/09370838
; Patent No. 6444425
; GENERAL INFORMATION:
;  APPLICANT: Reed, Steven G.
;  APPLICANT: Lodes, Michael J.
;  APPLICANT: Mohamath, Roadoh
;  APPLICANT: Secrist, Heather
;  TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
;  TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
;  FILE REFERENCE: 210121.475C1
;  CURRENT APPLICATION NUMBER: US/09/370,838
;  CURRENT FILING DATE: 1999-08-09
;  EARLIER APPLICATION NUMBER: US 09/285,323
;  EARLIER FILING DATE: 1999-04-02
;  NUMBER OF SEQ ID NOS: 289
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 47
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Homo sapien
US-09-370-838-47

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
             ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3127
US-09-151-771B-21
; Sequence 21, Application US/09151771B
; Patent No. 6586204
; GENERAL INFORMATION:
;  APPLICANT: Lehar, et al., Sophie M.
;  TITLE OF INVENTION: APOPTOSIS GENE EI24, COMPOSITIONS, AND METHODS OF USE
;  FILE REFERENCE: 104322.170DIV
;  CURRENT APPLICATION NUMBER: US/09/151,771B
;  CURRENT FILING DATE:  1998-09-11
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: primer sequence
;   NAME/KEY: unsure
;   LOCATION: (13)
;   OTHER INFORMATION: any nucleotide can be used
US-09-151-771B-21

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
             ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3128
US-09-289-198-130/c
; Sequence 130, Application US/09289198
; Patent No. 6586570
; GENERAL INFORMATION:
;  APPLICANT: Frudakis, Tony N.
;  APPLICANT: Smith, John M.
;  APPLICANT: Reed, Steven G.
;  APPLICANT: Misher, Lynda
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
;  TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF BREAST CANCER
;  FILE REFERENCE: 210121.419C5
;  CURRENT APPLICATION NUMBER: US/09/289,198
;  CURRENT FILING DATE: 1999-04-09
;  EARLIER APPLICATION NUMBER: US 09/062,451
;  EARLIER FILING DATE: 1998-04-17
;  EARLIER APPLICATION NUMBER: US 08/991,789
;  EARLIER FILING DATE: 1997-12-11
;  EARLIER APPLICATION NUMBER: US 08/838,762
;  EARLIER FILING DATE: 1997-04-09
;  EARLIER APPLICATION NUMBER: PCT/US97/00485
;  EARLIER FILING DATE: 1997-01-10
;  EARLIER APPLICATION NUMBER: US 08/700,014
;  EARLIER FILING DATE: 1996-08-20
;  EARLIER APPLICATION NUMBER: US 08/585,392
;  EARLIER FILING DATE: 1996-01-01
;  NUMBER OF SEQ ID NOS: 312
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 130
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-289-198-130

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
             ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3129
US-09-429-755-130/c
; Sequence 130, Application US/09429755A
; Patent No. 6656480
; GENERAL INFORMATION:
;  APPLICANT:  Frudakis, Tony N.
;  APPLICANT:  Smith, John M.
;  APPLICANT:  Reed, Steven G.
```

```
;  APPLICANT:  Misher, Lynda
;  APPLICANT:  Retter, Marc W.
;  APPLICANT:  Dillon, Davin C.
;  TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR THE
;  TITLE OF INVENTION:  TREATMENT AND DIAGNOSIS OF BREAST CANCER
;  FILE REFERENCE:  210121.419C6
;  CURRENT APPLICATION NUMBER: US/09/429,755A
;  CURRENT FILING DATE:  1999-10-28
;  NUMBER OF SEQ ID NOS:  315
;  SOFTWARE:  FastSEQ for Windows Version 3.0
; SEQ ID NO 130
;   LENGTH: 14
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Primer
US-09-429-755-130

  Query Match             0.4%;  Score 12;  DB 1;  Length 14;
  Best Local Similarity   100.0%;  Pred. No. 1.7e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3130
US-08-041-599-2
; Sequence 2, Application US/08041599
; Patent No. 5393877
;  GENERAL INFORMATION:
;    APPLICANT:  McLEAN, MICHAEL J.
;    APPLICANT:  HOLLAND, DAVID
;    APPLICANT:  GARMAN, ANDREW J.
;    APPLICANT:  SHEPPARD, ROBERT C.
;    TITLE OF INVENTION:  SYNTHESIS OF OLIGONUCLEOTIDES
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CUSHMAN, DARBY & CUSHMAN
;      STREET:  1100 NEW YORK AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/041,599
;      FILING DATE:  19930405
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  KOKULIS, PAUL N.
;      REGISTRATION NUMBER:  16,773
;      REFERENCE/DOCKET NUMBER:  202706/SBI36848/US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-861-3000
;      TELEFAX:  202-822-0944
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-041-599-2

  Query Match             0.4%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3131
US-08-337-025-2
; Sequence 2, Application US/08337025
; Patent No. 5552535
;  GENERAL INFORMATION:
;    APPLICANT:  McLEAN, MICHAEL J.
;    APPLICANT:  HOLLAND, DAVID
;    APPLICANT:  GARMAN, ANDREW J.
;    APPLICANT:  SHEPPARD, ROBERT C.
;    TITLE OF INVENTION:  SYNTHESIS OF OLIGONUCLEOTIDES
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CUSHMAN, DARBY & CUSHMAN
;      STREET:  1100 NEW YORK AVENUE, N.W.
;      CITY:  WASHINGTON
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/337,025
;      FILING DATE:  07-NOV-1994
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/041,599
;      FILING DATE:  05-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BIRD, DONALD J.
;      REGISTRATION NUMBER:  25,323
;      REFERENCE/DOCKET NUMBER:  202706/SBI36848/US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-861-3000
;      TELEFAX:  202-822-0944
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-337-025-2

  Query Match             0.4%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3132
US-08-832-021-33
; Sequence 33, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
```

```
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 33
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-33

  Query Match             0.4%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3133
US-08-832-021-42/c
; Sequence 42, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 42
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-42

  Query Match             0.4%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1


RESULT 3134
US-08-832-021-45
; Sequence 45, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 45
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-45

  Query Match             0.4%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3135
US-08-832-021-34
; Sequence 34, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-34

  Query Match             0.4%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12


RESULT 3136
US-08-832-021-35
; Sequence 35, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
;  APPLICANT: Combates, N.
;  APPLICANT: Pardinas, J.
;  APPLICANT: Parimoo, S.
;  APPLICANT: Prouty, S.
;  APPLICANT: Stenn, K.
;  TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
;  FILE REFERENCE: JBP-382
;  CURRENT APPLICATION NUMBER: US/08/832,021
;  CURRENT FILING DATE: 1997-04-02
;  NUMBER OF SEQ ID NOS: 64
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35
;    LENGTH: 15
;    TYPE: DNA
;    ORGANISM: Artificial Sequence
;    FEATURE:
;    OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-35

  Query Match             0.4%;  Score 12;  DB 1;  Length 15;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
```

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12
```

RESULT 3137
US-08-832-021-36
; Sequence 36, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-36

Query Match 0.4%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2166 TTTTTTTTTTTT 2177
              ||||||||||||
Db          1 TTTTTTTTTTTT 12
```

RESULT 3138
US-08-832-021-41/c
; Sequence 41, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 41
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-41

Query Match 0.4%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1
```

RESULT 3139
US-08-832-021-43/c
; Sequence 43, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 43
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-43

Query Match 0.4%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1
```

RESULT 3140
US-08-832-021-44/c
; Sequence 44, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 44
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-44

Query Match 0.4%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         12 AAAAAAAAAAAA 1
```

RESULT 3141
US-08-832-021-46
; Sequence 46, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.

; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 46
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-46

Query Match 0.4%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTT 2177
||||||||||||
Db 1 TTTTTTTTTTTT 12

RESULT 3142
US-08-832-021-47
; Sequence 47, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 47
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-47

Query Match 0.4%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTT 2177
||||||||||||
Db 1 TTTTTTTTTTTT 12

RESULT 3143
US-08-832-021-48
; Sequence 48, Application US/08832021
; Patent No. 6045998
; GENERAL INFORMATION:
; APPLICANT: Combates, N.
; APPLICANT: Pardinas, J.
; APPLICANT: Parimoo, S.
; APPLICANT: Prouty, S.
; APPLICANT: Stenn, K.
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY
; FILE REFERENCE: JBP-382
; CURRENT APPLICATION NUMBER: US/08/832,021
; CURRENT FILING DATE: 1997-04-02
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48
; LENGTH: 15
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: primer
US-08-832-021-48

Query Match 0.4%; Score 12; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2166 TTTTTTTTTTTT 2177
||||||||||||
Db 1 TTTTTTTTTTTT 12

RESULT 3144
US-09-300-958A-58/c
; Sequence 58, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
; APPLICANT: McClelland, Michael
; APPLICANT: Welsh, John
; APPLICANT: Trenkle, Thomas
; TITLE OF INVENTION: Reduced Complexity Nucleic Acid Targets and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-PH 3457
; CURRENT APPLICATION NUMBER: US/09/300,958A
; CURRENT FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/083,331
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/098,070
; PRIOR FILING DATE: 1998-08-27
; PRIOR APPLICATION NUMBER: 60/118,624
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 58
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-58

Query Match 0.4%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2785 GAAAAAAAAAAA 2796
||||||||||||
Db 16 GAAAAAAAAAAA 5

RESULT 3145
US-09-300-958A-84/c
; Sequence 84, Application US/09300958A
; Patent No. 6495319
; GENERAL INFORMATION:
; APPLICANT: McClelland, Michael
; APPLICANT: Welsh, John
; APPLICANT: Trenkle, Thomas
; TITLE OF INVENTION: Reduced Complexity Nucleic Acid Targets and Methods of
; TITLE OF INVENTION: Using Same
; FILE REFERENCE: P-PH 3457
; CURRENT APPLICATION NUMBER: US/09/300,958A
; CURRENT FILING DATE: 1999-04-27
; PRIOR APPLICATION NUMBER: 60/083,331
; PRIOR FILING DATE: 1998-04-27
; PRIOR APPLICATION NUMBER: 60/098,070

; PRIOR FILING DATE: 1998-08-27
; PRIOR APPLICATION NUMBER: 60/118,624
; PRIOR FILING DATE: 1999-02-04
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 84
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-09-300-958A-84

Query Match 0.4%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2785 GAAAAAAAAAAA 2796
||||||||||||
Db 16 GAAAAAAAAAAA 5

RESULT 3146
US-09-527-972-17/c
; Sequence 17, Application US/09527972
; Patent No. 6642438
; GENERAL INFORMATION:
; APPLICANT: Clendennen, Stephanie K.
; APPLICANT: Kellogg, Jill A.
; APPLICANT: Phan, Chau B.
; APPLICANT: Mathews, Helena V.
; APPLICANT: Webb, Nancy M.
; TITLE OF INVENTION: Banana and Melon Promoters for
; TITLE OF INVENTION: Expression of Transgenes in Plants
; FILE REFERENCE: 4257-0019.30
; CURRENT APPLICATION NUMBER: US/09/527,972
; CURRENT FILING DATE: 2000-03-17
; EARLIER APPLICATION NUMBER: US 60/125,310
; EARLIER FILING DATE: 1999-03-19
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: oligonucleotide primer
US-09-527-972-17

Query Match 0.4%; Score 12; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2785 GAAAAAAAAAAA 2796
||||||||||||
Db 16 GAAAAAAAAAAA 5

RESULT 3147
US-09-475-316A-122/c
; Sequence 122, Application US/09475316A
; Patent No. 6210942
; GENERAL INFORMATION:
; APPLICANT: Lewis, No. 6210942man G.
; APPLICANT: Davin, Laurence B.
; APPLICANT: Dinkova-Kostova, Albena T.
; APPLICANT: Fujita, Masayuki
; APPLICANT: Gang, David R.
; APPLICANT: Sarkanen, Simo
; APPLICANT: Ford, Joshua D
; TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICIRESINOL REDUCTASES,
; TITLE OF INVENTION: RECOMBINANT DIRIGENT PROTEINS AND METHODS OF USE
; FILE REFERENCE: WSUR-1-13793
; CURRENT APPLICATION NUMBER: US/09/475,316A
; CURRENT FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/307,653
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: PCT/US97/20391
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/054,380
; PRIOR FILING DATE: 1997-07-31
; PRIOR APPLICATION NUMBER: 60/030,522
; PRIOR FILING DATE: 1996-11-08
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 122
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide
; NAME/KEY: misc_feature
; LOCATION: (1)..(18)
; OTHER INFORMATION: Linker primer
US-09-475-316A-122

Query Match 0.4%; Score 12; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 3.2e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAA 2797
||||||||||||
Db 18 AAAAAAAAAAAA 7

RESULT 3148
US-09-704-640-122/c
; Sequence 122, Application US/09704640
; Patent No. 6635459
; GENERAL INFORMATION:
; APPLICANT: Lewis, No. 6635459man G.
; APPLICANT: Davin, Laurence B.
; APPLICANT: Dinkova-Kostova, Albena T.
; APPLICANT: Fujita, Masayuki
; APPLICANT: Gang, David R.
; APPLICANT: Sarkanen, Simo
; APPLICANT: Ford, Joshua D
; TITLE OF INVENTION: RECOMBINANT PINORESINOL/LARICIRESINOL REDUCTASE,
; TITLE OF INVENTION: RECOMBINANT DIRIGENT PROTEIN AND METHODS OF USE
; FILE REFERENCE: WSUR-1-16492
; CURRENT APPLICATION NUMBER: US/09/704,640
; CURRENT FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: 09/475,316
; PRIOR FILING DATE: 1999-12-30
; PRIOR APPLICATION NUMBER: 09/307,653
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: PCT/US97/20391
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: 60/054,380
; PRIOR FILING DATE: 1997-07-31
; PRIOR APPLICATION NUMBER: 60/030,522
; PRIOR FILING DATE: 1996-11-08
; NUMBER OF SEQ ID NOS: 122
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 122
; LENGTH: 18
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide
; NAME/KEY: misc_feature
; LOCATION: (1)..(18)
; OTHER INFORMATION: Linker primer
US-09-704-640-122

```
  Query Match             0.4%;  Score 12;  DB 1;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 3.2e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db         18 AAAAAAAAAAAA 7


RESULT 3149
US-09-467-082-12/c
; Sequence 12, Application US/09467082
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PKA CATALYTIC SUBUNIT C-ALPHA EXPRESSION
;  FILE REFERENCE: RTS-0088
;  CURRENT APPLICATION NUMBER: US/09/467,082
;  CURRENT FILING DATE:  1999-12-17
;  NUMBER OF SEQ ID NOS: 49
; SEQ ID NO 12
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-467-082-12

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        476 CCCGGCCGCCAGAGCCAGGA 495
              ||||||||||   |||  ||
Db         20 CCCGGCCGCCGCCGCCGCGA 1


RESULT 3150
US-09-725-265-41
; Sequence 41, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-41

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       1967 ATATTTACCTTGAAAAAAAG 1986
              |||| ||  |  ||||||||
Db          1 ATATATATATAAAAAAAAAG 20


RESULT 3151
US-09-725-265-42
; Sequence 42, Application US/09725265
; Patent No. 6492121
; GENERAL INFORMATION:
;  APPLICANT: KURANE, RYUICHIRO
;  APPLICANT:  KANAGAWA, TAKAHIRO
;  APPLICANT:  KAMAGATA, YOICHI
;  APPLICANT:  YAMADA, KAZUTAKA
;  APPLICANT:  YOKOMAKU, TOYOKAZU
;  APPLICANT:  KOYAMA, OSAMU
;  APPLICANT:  FURUSHO, KENTA
;  TITLE OF INVENTION: METHOD FOR DETERMINING A CONCENTRATION OF TARGET NUCLEIC ACID MOL
;  TITLE OF INVENTION:  NUCLEIC ACID PROBES FOR THE METHOD, AND METHOD FOR ANALYZING DAT
;  TITLE OF INVENTION:  THE METHOD
;  FILE REFERENCE: 199953US0XDIV
;  CURRENT APPLICATION NUMBER: US/09/725,265
;  CURRENT FILING DATE:  2000-11-29
;  PRIOR APPLICATION NUMBER: US 09/556,127
;  PRIOR FILING DATE: 2000-04-20
;  PRIOR APPLICATION NUMBER: JP 1999-111601
;  PRIOR FILING DATE: 1999-04-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: ARTIFICIAL SEQUENCE
;   FEATURE:
;   OTHER INFORMATION: SYNTHETIC DNA
US-09-725-265-42

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAAAAAAA 2801
              ||  | | | ||||||||||
Db          1 ATATATATATAAAAAAAAAA 20


RESULT 3152
US-09-780-045-105
; Sequence 105, Application US/09780045
; Patent No. 6602713
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PROTEIN PHOSPHATASE 2 CATALYTIC SUBUNIT B
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0130
;  CURRENT APPLICATION NUMBER: US/09/780,045
;  CURRENT FILING DATE:  2001-02-09
;  NUMBER OF SEQ ID NOS: 135
; SEQ ID NO 105
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-780-045-105

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        252 TCCCCCACCTCTCCTCCGCC 271
```

```
                |||||  |  |||| |||||
Db          1 TCCCCGCCGCCTCCCCCGCC 20


RESULT 3153
US-09-344-914-75
; Sequence 75, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 75
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-75

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
                || ||| |||| |||  |||
Db          1 TTGTTTCTTTTATTTCATTT 20


RESULT 3154
US-09-344-914-76
; Sequence 76, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 76
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-76

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2166 TTTTTTTTTTTTTTTTTTTT 2185
                ||| ||| |||| |||  ||
Db          1 TTTGTTTCTTTTATTTCATT 20


RESULT 3155
US-09-021-701-774
; Sequence 774, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  774:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-774

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2168 TTTTTTTTTTTTTTTTTTTA 2187
                |||| ||||||  || | | |
Db          1 TTTTATTTTTTCTTCTGTCA 20


RESULT 3156
US-09-021-701-775
; Sequence 775, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
```

```
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  775:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-775

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2169 TTTTTTTTTTTTTTTTTTAA 2188
              ||| |||||| || | | ||
Db          1 TTTATTTTTTCTTCTGTCAA 20


RESULT 3157
US-09-198-452A-1578/c
; Sequence 1578, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, preve
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 1578
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-1578

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       2556 GGATGCTGGGCTCTGTTCTT 2575
              ||||  | | ||| ||||||
Db         20 GGATAATCGCCTCCGTTCTT 1


RESULT 3158
US-09-454-495-6/c
; Sequence 6, Application US/09454495
; Patent No. 6576759
; GENERAL INFORMATION:
;  APPLICANT:  Reddy, Gurucharan
;  APPLICANT:  Zeng, Hong
;  APPLICANT:  Vallerga, Anne
;  APPLICANT:  Zarling, David A.
;  TITLE OF INVENTION:  NOVEL ANTISENSE INHIBITION OF RAD51
;  FILE REFERENCE:  A-67649-1/RMS/DAV/JJD
;  CURRENT APPLICATION NUMBER: US/09/454,495
;  CURRENT FILING DATE:  1999-12-06
;  PRIOR APPLICATION NUMBER:  60/119,578
;  PRIOR FILING DATE:  1999-02-10
;  NUMBER OF SEQ ID NOS:  10
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 6
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic.
US-09-454-495-6

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        564 CGGGCGCGGTGAGCGCCCGC 583
              ||||||||     |||||||
Db         20 CGGGCGCGTGCCACGCCCGC 1


RESULT 3159
US-09-428-219-84/c
; Sequence 84, Application US/09428219
; Patent No. 6177273
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN-LINKED KINASE EXPRESSION
;  FILE REFERENCE: RTS-0101
;  CURRENT APPLICATION NUMBER: US/09/428,219
;  CURRENT FILING DATE: 1999-10-27
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 84
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-219-84

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy        462 AGCAGCAGGCCT 473
              ||||||||||||
Db         19 AGCAGCAGGCCT 8


RESULT 3160
US-09-434-131A-8
; Sequence 8, Application US/09434131A
; Patent No. 6344345
; GENERAL INFORMATION:
;  APPLICANT:  HAYASHIZAKI, Yoshihide
;  TITLE OF INVENTION:  METHOD FOR PRODUCING DOUBLE-STRANDED DNA WHOSE TERMINAL
;  TITLE OF INVENTION:  HOMOPOLYMER PART IS ELIMINATED AND METHOD FOR
;  TITLE OF INVENTION:  DETERMINING NUCLEOTIDE SEQUENCE
;  FILE REFERENCE:  024705-093
;  CURRENT APPLICATION NUMBER: US/09/434,131A
;  CURRENT FILING DATE:  1999-11-05
;  PRIOR APPLICATION NUMBER:  JP 316102/1998
;  PRIOR FILING DATE:  1998-11-06
;  NUMBER OF SEQ ID NOS:  14
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:hemimethylated
;   OTHER INFORMATION: cDNA
US-09-434-131A-8

  Query Match             0.4%;  Score 12;  DB 1;  Length 20;
  Best Local Similarity   100.0%;  Pred. No. 3.6e+03;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
```

```
Qy       2786 AAAAAAAAAAAA 2797
              ||||||||||||
Db          1 AAAAAAAAAAAA 12


RESULT 3161
US-08-145-704-10/c
; Sequence 10, Application US/08145704
; Patent No. 5567604
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Joshua O. Ojwang
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  45
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fulbright & Jaworski
;      STREET:  1301 McKinney, Suite 5100
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77010-3095
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/145,704
;      FILING DATE:  28-OCT-1993
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/053,027
;      FILING DATE:  23-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul, Thomas D.
;      REGISTRATION NUMBER:  32,714
;      REFERENCE/DOCKET NUMBER:  D-5574-CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/651-5151
;      TELEFAX:  713/651-5246
;      TELEX:  762829
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-145-704-10

  Query Match             0.4%;  Score 12;  DB 1;  Length 21;
  Best Local Similarity   75.0%;  Pred. No. 3.7e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        291 CCGCGCCACCCCTCTCCCAC 310
              || | ||||||| |  ||||
Db         21 CCCCCCCACCCCCCAACCAC 2


RESULT 3162
US-08-987-574-10/c
; Sequence 10, Application US/08987574
; Patent No. 6150339
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fulbright & Jaworski
;      STREET:  1301 McKinney, Suite 5100
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77010-3095
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/987,574
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/04529
;      FILING DATE:  28-OCT-1993
;      APPLICATION NUMBER:  US 08/053,027
;      FILING DATE:  23-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul, Thomas D.
;      REGISTRATION NUMBER:  32,714
;      REFERENCE/DOCKET NUMBER:  D-5574-CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/651-5151
;      TELEFAX:  713/651-5246
;      TELEX:  762829
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-987-574-10

  Query Match             0.4%;  Score 12;  DB 1;  Length 21;
  Best Local Similarity   75.0%;  Pred. No. 3.7e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        291 CCGCGCCACCCCTCTCCCAC 310
              || | ||||||| |  ||||
Db         21 CCCCCCCACCCCCCAACCAC 2


RESULT 3163
US-08-535-168-10/c
; Sequence 10, Application US/08535168
; Patent No. 6184369
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fulbright & Jaworski
;      STREET:  1301 McKinney, Suite 5100
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77010-3095
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
```

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;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/535,168
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/04529
;      FILING DATE:  28-OCT-1993
;      APPLICATION NUMBER:  US 08/053,027
;      FILING DATE:  23-APR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Paul, Thomas D.
;      REGISTRATION NUMBER:  32,714
;      REFERENCE/DOCKET NUMBER:  D-5574-CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/651-5151
;      TELEFAX:  713/651-5246
;      TELEX:  762829
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-535-168-10

  Query Match             0.4%;  Score 12;  DB 1;  Length 21;
  Best Local Similarity   75.0%;  Pred. No. 3.7e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        291 CCGCGCCACCCCTCTCCCAC 310
              || | ||||||| |  ||||
Db         21 CCCCCCCACCCCCCAACCAC 2


RESULT 3164
US-09-017-974-10/c
; Sequence 10, Application US/09017974
; Patent No. 6288042
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    APPLICANT:  Wallace, Thomas L.
;    APPLICANT:  Cossum, Paul A.
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Tetrad Forming Oligonucleotides
;    NUMBER OF SEQUENCES:  88
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Conley, Rose & Tayon, P.C.
;      STREET:  600 Travis, Suite 1800
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77002-2912
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  MS Word 97 (saved as .txt file)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/017,974
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/037,374
;      FILING DATE:  04-FEB-97
;      APPLICATION NUMBER:
;      FILING DATE:  09-DEC-97
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDaniel, C. Steven
;      REGISTRATION NUMBER:  33,962
;      REFERENCE/DOCKET NUMBER:  1472-06223
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/238-8010
;      TELEFAX:  713/238-8008
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-017-974-10

  Query Match             0.4%;  Score 12;  DB 1;  Length 21;
  Best Local Similarity   75.0%;  Pred. No. 3.7e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        291 CCGCGCCACCCCTCTCCCAC 310
              || | ||||||| |  ||||
Db         21 CCCCCCCACCCCCCAACCAC 2


RESULT 3165
US-08-682-255A-10/c
; Sequence 10, Application US/08682255A
; Patent No. 6323185
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    APPLICANT:  Pommier, Eyves
;    APPLICANT:  Mazumder, Abhijit
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  87
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Conley, Rose & Tayon, P.C.
;      STREET:  600 Travis, Suite 1850
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77002-2912
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  MS Windows 95
;      SOFTWARE:  MS Word 97 (saved as .txt file)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/682,255A
;      FILING DATE:  17-JULY-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/535,168
;      FILING DATE:  23-OCT-95
;      APPLICATION NUMBER:  60/001,505
;      FILING DATE:  19-JULY-95
;      APPLICATION NUMBER:  60/014,007
;      FILING DATE:  25-MARCH-96
;      APPLICATION NUMBER:  60/013,688
;      FILING DATE:  19-MARCH-96
;      APPLICATION NUMBER:  60/015,714
;      FILING DATE:  17-APRIL-96
;      APPLICATION NUMBER:  60/016,271
;      FILING DATE:  23-APRIL-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDaniel, C. Steven
;      REGISTRATION NUMBER:  33,962
;      REFERENCE/DOCKET NUMBER:  1472-06214
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/238-8010
;      TELEFAX:  713/238-8008
```

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;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-682-255A-10

  Query Match             0.4%;  Score 12;  DB 1;  Length 21;
  Best Local Similarity   75.0%;  Pred. No. 3.7e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        291 CCGCGCCACCCCTCTCCCAC 310
              || | ||||||| |  ||||
Db         21 CCCCCCCACCCCCCAACCAC 2


RESULT 3166
US-09-429-130-10/c
; Sequence 10, Application US/09429130
; Patent No. 6355785
;  GENERAL INFORMATION:
;       APPLICANT: Rando, Robert F.
;                  Fennewald, Susan
;                  Zendegui, Joseph G.
;                  Ojwang, Joshua O.
;                  Hogan, Michael E.
;                  Pommier, Eyves
;                  Mazumder, Abhijit
;                  60/015,714
;       TITLE OF INVENTION: Anti-Viral Guanosine-Rich
;                           Oligonucleotides
;       NUMBER OF SEQUENCES: 87
;       CORRESPONDENCE ADDRESS:
;            ADDRESSEE: Conley, Rose & Tayon, P.C.
;            STREET: 600 Travis, Suite 1850
;            CITY: Houston
;            STATE: Texas
;            COUNTRY: U.S.A.
;            ZIP: 77002-2912
;       COMPUTER READABLE FORM:
;            MEDIUM TYPE: Floppy disk
;            COMPUTER: IBM PC compatible
;            OPERATING SYSTEM: MS Windows 95
;            SOFTWARE: MS Word 97 (saved as .txt file)
;       CURRENT APPLICATION DATA:
;            APPLICATION NUMBER: US/09/429,130
;            FILING DATE: 28-Oct-1999
;            CLASSIFICATION: <Unknown>
;                            19-JULY-95
;                            25-MARCH-96
;                            19-MARCH-96
;                            17-APRIL-96
;                            23-APRIL-96
;       PRIOR APPLICATION DATA:
;            APPLICATION NUMBER: 08/682,255
;            FILING DATE: <Unknown>
;            APPLICATION NUMBER: 60/001,505
;            FILING DATE: 19-JULY-95
;            APPLICATION NUMBER: 60/014,007
;            FILING DATE: 25-MARCH-96
;            APPLICATION NUMBER: 60/013,688
;            FILING DATE: 19-MARCH-96
;            APPLICATION NUMBER: 60/016,271
;            FILING DATE: 17-APRIL-96
;       ATTORNEY/AGENT INFORMATION:
;            NAME: McDaniel, C. Steven
;            REGISTRATION NUMBER: 33,962
;            REFERENCE/DOCKET NUMBER: 1472-06214
;       TELECOMMUNICATION INFORMATION:
;            TELEPHONE: 713/238-8010
;            TELEFAX: 713/238-8008
;   INFORMATION FOR SEQ ID NO: 10:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 21 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        MOLECULE TYPE: DNA (genomic)
;        SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-09-429-130-10

  Query Match             0.4%;  Score 12;  DB 1;  Length 21;
  Best Local Similarity   75.0%;  Pred. No. 3.7e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        291 CCGCGCCACCCCTCTCCCAC 310
              || | ||||||| |  ||||
Db         21 CCCCCCCACCCCCCAACCAC 2


RESULT 3167
PCT-US93-07743-13/c
; Sequence 13, Application PC/TUS9307743
;  GENERAL INFORMATION:
;    APPLICANT:  Jayaraman, Krishna
;    APPLICANT:  Vu, Huynh
;    APPLICANT:  Zendegui, Joseph
;    TITLE OF INVENTION:  Cholesteryl-Modified Triple Helix
;    TITLE OF INVENTION:  Forming Oligonucleotides and Uses Thereof
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dr. Adler/ Fulbright & Jaworski
;      STREET:  1301 McKinney St Suite 4100
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  USA
;      ZIP:  77010-3095
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/07743
;      FILING DATE:  19930817
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/934,065
;      FILING DATE:  21-AUG-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Adler Ph.D., Benjamin A.
;      REGISTRATION NUMBER:  35,423
;      REFERENCE/DOCKET NUMBER:  D5523
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713-651-5587
;      TELEFAX:  713-651-5246
;      TELEX:  76-2829
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FEATURE:
;      NAME/KEY:  misc_feature
;      LOCATION:  1
;      OTHER INFORMATION:  /note= "a cholesterol moiety is
;      OTHER INFORMATION:  attached to the 3' end"
PCT-US93-07743-13

  Query Match             0.4%;  Score 12;  DB 1;  Length 21;
```

```
  Best Local Similarity   75.0%;  Pred. No. 3.7e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        291 CCGCGCCACCCCTCTCCCAC 310
              || | ||||||| |  ||||
Db         21 CCCCCCCACCCCCCAACCAC 2


RESULT 3168
PCT-US96-11786-10/c
; Sequence 10, Application PC/TUS9611786
;  GENERAL INFORMATION:
;    APPLICANT:  Rando, Robert F.
;    APPLICANT:  Fennewald, Susan
;    APPLICANT:  Zendegui, Joseph G.
;    APPLICANT:  Ojwang, Joshua O.
;    APPLICANT:  Hogan, Michael E.
;    APPLICANT:  Pommier, Eyves
;    APPLICANT:  Mazumder, Abhijit
;    TITLE OF INVENTION:  Anti-Viral Guanosine-Rich
;    TITLE OF INVENTION:  Oligonucleotides
;    NUMBER OF SEQUENCES:  52
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Conley, Rose & Tayon, P.C.
;      STREET:  600 Travis, Suite 1850
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  U.S.A.
;      ZIP:  77002-2912
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US96/11786
;      FILING DATE:  17-JULY-1996
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/535,168; 60/001,505; 60/014,007; 60/013,688;
;      APPLICATION NUMBER:  60/015,714; 60/016,271
;      FILING DATE:  23-OCT-95; 17-JULY-96; 25-MARCH-96; 19-MARCH-96; 23-
;      FILING DATE:  APRIL-96; 17-APRIL-96
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  McDaniel, C. Steven
;      REGISTRATION NUMBER:  33,962
;      REFERENCE/DOCKET NUMBER:  1472-06214
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  713/238-8010
;      TELEFAX:  713/238-8008
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  21 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
PCT-US96-11786-10

  Query Match             0.4%;  Score 12;  DB 1;  Length 21;
  Best Local Similarity   75.0%;  Pred. No. 3.7e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        291 CCGCGCCACCCCTCTCCCAC 310
              || | ||||||| |  ||||
Db         21 CCCCCCCACCCCCCAACCAC 2


RESULT 3169
US-09-043-303-16
; Sequence 16, Application US/09043303
; Patent No. 6251589
; GENERAL INFORMATION:
;  APPLICANT: TSUJI, Shoji
;  APPLICANT: SANPEI, Kazujiro
;  TITLE OF INVENTION: Method for Diagnosing Spinocerebellar Alaxia Type 2 and
;  TITLE OF INVENTION: Primers Therefor
;  FILE REFERENCE: 0760-0241P
;  CURRENT APPLICATION NUMBER: US/09/043,303
;  CURRENT FILING DATE: 1998-05-18
;  EARLIER APPLICATION NUMBER: PCT/JP96/01999
;  EARLIER FILING DATE: 1996-07-18
;  NUMBER OF SEQ ID NOS: 17
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 24
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-043-303-16

  Query Match             0.4%;  Score 12;  DB 1;  Length 24;
  Best Local Similarity   75.0%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy        434 CTGCACCAGCCGGCGCCCAC 453
              | ||  |||||| ||||| |
Db          4 CCGCCGCAGCCGCCGCCCGC 23


RESULT 3170
US-08-570-155-16
; Sequence 16, Application US/08570155
; Patent No. 5962332
;  GENERAL INFORMATION:
;    APPLICANT:  Singer, Robert H.
;    APPLICANT:  Taneja, Krishan L.
;    TITLE OF INVENTION:  DETECTION OF TRINUCLEOTIDE REPEATS
;    TITLE OF INVENTION:  BY IN SITU HYBRIDIZATION
;    NUMBER OF SEQUENCES:  17
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FISH & RICHARDSON P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version
;      SOFTWARE:  #1.30B
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/570,155
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/399,499
;      FILING DATE:  07 March 1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/214,823
;      FILING DATE:  17 March 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Clark, Paul T.
;      REGISTRATION NUMBER:  30,162
;      REFERENCE/DOCKET NUMBER:  06353/011001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  16:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
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;    MOLECULE TYPE:  cDNA
US-08-570-155-16

  Query Match             0.4%;  Score 12;  DB 1;  Length 24;
  Best Local Similarity   71.4%;  Pred. No. 3.6e+03;
  Matches   15;  Conservative    0;  Mismatches    6;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATCAACCCCCT 435
              ||||||||||  |  | || |
Db          4 CGCCGCCGCCGCCGCCGCCNT 24


RESULT 3171
US-08-584-040-2187/c
; Sequence 2187, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2187:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2187

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 17;
  Best Local Similarity   86.7%;  Pred. No. 3e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAA 2796
              | | ||||||||||||
Db         17 AGTCAAAAAAAAAAA 3


RESULT 3172
US-09-371-772B-732/c
; Sequence 732, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 732
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-732

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 17;
  Best Local Similarity   86.7%;  Pred. No. 3e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAA 2796
              | | ||||||||||||
Db         17 AGTCAAAAAAAAAAA 3


RESULT 3173
US-08-584-040-2188/c
; Sequence 2188, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
```

```
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2188:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2188

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 17;
  Best Local Similarity   86.7%;  Pred. No. 3e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAA 2796
              | | ||||||||||||
Db         16 AGTCAAAAAAAAAAA 2


RESULT 3174
US-09-371-772B-733/c
; Sequence 733, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 733
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-733

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 17;
  Best Local Similarity   86.7%;  Pred. No. 3e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAA 2796
              | | ||||||||||||
Db         16 AGTCAAAAAAAAAAA 2


RESULT 3175
US-08-584-040-2189/c
; Sequence 2189, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2189:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2189

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 17;
  Best Local Similarity   86.7%;  Pred. No. 3e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2782 ATTGAAAAAAAAAAA 2796
              | | ||||||||||||
Db         15 AGTCAAAAAAAAAAA 1


RESULT 3176
US-09-371-772B-734/c
; Sequence 734, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 734
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
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US-09-371-772B-734

Query Match 0.4%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 3e+03;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2782 ATTGAAAAAAAAAAA 2796
| | ||||||||||
Db 15 AGTCAAAAAAAAAAA 1

RESULT 3177
US-08-373-124A-2147/c
; Sequence 2147, Application US/08373124A
; Patent No. 5646042
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
; TITLE OF INVENTION: CANCER USING RIBOZYMES
; NUMBER OF SEQUENCES: 2627
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/373,124A
; FILING DATE: January 13, 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 08/192,943
; FILING DATE: February 7, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; APPLICATION NUMBER: 07/936,422
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/035
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2147:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-373-124A-2147

Query Match 0.4%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 3e+03;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAA 2800
| |||||| ||||||
Db 17 ATAAAAAATAAAAAA 3

RESULT 3178
US-08-435-628-2147/c
; Sequence 2147, Application US/08435628
; Patent No. 5817796
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
; APPLICANT: Draper, Kenneth
; APPLICANT: McSwiggen, James
; APPLICANT: Jarvis, Thale
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
; TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
; TITLE OF INVENTION: CANCER USING RIBOZYMES
; NUMBER OF SEQUENCES: 2627
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435,628
; FILING DATE: 05-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/373,124
; FILING DATE: January 13, 1995
; APPLICATION NUMBER: 08/245,466
; FILING DATE: May 18, 1994
; APPLICATION NUMBER: 08/192,943
; FILING DATE: February 7, 1994
; APPLICATION NUMBER: 07/987,132
; FILING DATE: December 7, 1992
; APPLICATION NUMBER: 07/936,422
; FILING DATE: August 26, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 209/035
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 2147:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-435-628-2147

Query Match 0.4%; Score 11.8; DB 1; Length 17;
Best Local Similarity 86.7%; Pred. No. 3e+03;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2786 AAAAAAAAAAAAAAA 2800
| |||||| ||||||
Db 17 ATAAAAAATAAAAAA 3

RESULT 3179
US-09-657-346A-13/c
; Sequence 13, Application US/09657346A
; Patent No. 6503754

```
; GENERAL INFORMATION:
;  APPLICANT: Hong Zhang
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST
;  TITLE OF INVENTION:  EXPRESSION
;  FILE REFERENCE: RTS-0135
;  CURRENT APPLICATION NUMBER: US/09/657,346A
;  CURRENT FILING DATE:  2000-09-07
;  NUMBER OF SEQ ID NOS: 174
; SEQ ID NO 13
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: PCR Probe
US-09-657-346A-13

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 19;
  Best Local Similarity   86.7%;  Pred. No. 3.6e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        462 AGCAGCAGGCCTGGC 476
              ||| || ||||||||
Db         17 AGCGGCTGGCCTGGC 3


RESULT 3180
US-09-021-701-554/c
; Sequence 554, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  554:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-554

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
              || ||||| ||||||
Db         19 TTAAAAAAGAAAAAA 5


RESULT 3181
US-09-021-701-555/c
; Sequence 555, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  555:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-555

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
              || ||||| ||||||
Db         18 TTAAAAAAGAAAAAA 4


RESULT 3182
US-09-021-701-556/c
; Sequence 556, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
```

```
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  556:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-556

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
                || ||||| ||||||
Db         17 TTAAAAAAGAAAAAA 3


RESULT 3183
US-08-578-551-26/c
; Sequence 26, Application US/08578551
; Patent No. 5854050
;  GENERAL INFORMATION:
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Sakari M.
;    APPLICANT:  Nielsen, Jack B.
;    APPLICANT:  Dambmann, Claus
;    TITLE OF INVENTION:  An Enzyme with Protease Activity
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 5854050o No. 5854050disk of No. 5854050th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/578,551
;      FILING DATE:  01-FEB-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  DK 0811/93
;      FILING DATE:  06-JUL-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO 95/02044
;      FILING DATE:  19-JAN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lambiris, Elias J.
;      REGISTRATION NUMBER:  33,728
;      REFERENCE/DOCKET NUMBER:  4006.204-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  212-867-0123
;      TELEFAX:  212-878-9655
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Aspergillus aculeatus
US-08-578-551-26

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        997 CTTGCGGGAGAAGTT 1011
                ||||  |||||||||
Db         20 CTTGACGGAGAAGTT 6


RESULT 3184
US-09-190-982-26/c
; Sequence 26, Application US/09190982
; Patent No. 5998190
;  GENERAL INFORMATION:
;    APPLICANT:  Dalboge, Henrik
;    APPLICANT:  Christgau, Stephan
;    APPLICANT:  Andersen, Lene N.
;    APPLICANT:  Kofod, Lene V.
;    APPLICANT:  Kauppinen, Sakari M.
;    APPLICANT:  Nielsen, Jack B.
;    APPLICANT:  Dambmann, Claus
;    TITLE OF INVENTION:  An Enzyme with Protease Activity
;    NUMBER OF SEQUENCES:  34
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  No. 5998190o No. 5998190disk of No. 5998190th America, Inc.
;      STREET:  405 Lexington Avenue, 64th Floor
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  United States of America
;      ZIP:  10174-6401
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/190,982
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/578,551
;      FILING DATE:
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 95/02044
; FILING DATE: 19-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4006.204-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Aspergillus aculeatus
US-09-190-982-26

Query Match 0.4%; Score 11.8; DB 1; Length 20;
Best Local Similarity 86.7%; Pred. No. 3.7e+03;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 997 CTTGCGGGAGAAGTT 1011
|||| |||||||||
Db 20 CTTGACGGAGAAGTT 6

RESULT 3185
US-09-408-257-26/c
; Sequence 26, Application US/09408257
; Patent No. 6190905
; GENERAL INFORMATION:
; APPLICANT: Dalboge, Henrik
; APPLICANT: Christgau, Stephan
; APPLICANT: Andersen, Lene N.
; APPLICANT: Kofod, Lene V.
; APPLICANT: Kauppinen, Sakari M.
; APPLICANT: Nielsen, Jack B.
; APPLICANT: Dambmann, Claus
; TITLE OF INVENTION: An Enzyme with Protease Activity
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6190905o No. 6190905disk of No. 6190905th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/408,257
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/578,551
; FILING DATE: 01-FEB-1996
; APPLICATION NUMBER: DK 0811/93
; FILING DATE: 06-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO 95/02044
; FILING DATE: 19-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4006.204-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Aspergillus aculeatus
US-09-408-257-26

Query Match 0.4%; Score 11.8; DB 1; Length 20;
Best Local Similarity 86.7%; Pred. No. 3.7e+03;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 997 CTTGCGGGAGAAGTT 1011
|||| |||||||||
Db 20 CTTGACGGAGAAGTT 6

RESULT 3186
US-08-827-036A-10
; Sequence 10, Application US/08827036A
; Patent No. 6080727
; GENERAL INFORMATION:
; APPLICANT: Gabriella Zupi
; TITLE OF INVENTION: Oligonucleotide Treatments and
; TITLE OF INVENTION: Compositions for Human Melanoma
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: James A. Bradburne, Ph.D.
; STREET: 5 Palo Alto Square,
; STREET: 3000 El Camino Real
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94306-2155
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: Windows 3.1/DOS 5.0
; SOFTWARE: Microsoft Word for Windows, vers. 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,036A
; FILING DATE: 03/25/97
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: USSN 60/014,089
; FILING DATE: 26-MAR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: James A. Bradburne, Ph.D.
; REGISTRATION NUMBER: 38,389
; REFERENCE/DOCKET NUMBER: LYNX-031/01US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 843-5095
; TELEFAX: (650) 857-0663
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-827-036A-10

Query Match 0.4%; Score 11.8; DB 1; Length 20;
Best Local Similarity 86.7%; Pred. No. 3.7e+03;
Matches 13; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

```
Qy        653 GAGAACCTGGGGCTC 667
              ||| ||| |||||||
Db          6 GAGCACCAGGGGCTC 20


RESULT 3187
US-08-461-366A-7
; Sequence 7, Application US/08461366A
; Patent No. 6133242
;  GENERAL INFORMATION:
;    APPLICANT:  Yi Shi and Andrew Zalewski
;    TITLE OF INVENTION:  Inhibition of Extracellular Matrix
;    TITLE OF INVENTION:  Synthesis by Antisense Compounds Directed to Nuclear
;    TITLE OF INVENTION:  Proto-Oncogenes
;    NUMBER OF SEQUENCES:  7
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooley Godward LLP
;      STREET:  Five Palo Alto Square
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  ASCII
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,366A
;      FILING DATE:  03-JUN-1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/138,637
;      FILING DATE:  15-OCT-1993
;      APPLICATION NUMBER:  PCT/US94/11853
;      FILING DATE:  17-OCT-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jackie N. Nakamura
;      REGISTRATION NUMBER:  35,966
;      REFERENCE/DOCKET NUMBER:  LYNX-014/05US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 843-5123
;      TELEFAX:  (415) 857-0663
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-461-366A-7

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTC 667
              ||| ||| |||||||
Db          6 GAGCACCAGGGGCTC 20


RESULT 3188
US-08-481-341-10
; Sequence 10, Application US/08481341
; Patent No. 6159946
;  GENERAL INFORMATION:
;    APPLICANT:  Zalewski, Andrew and Shi, Yi
;    TITLE OF INVENTION:  ANTISENSE INHIBITION OF
;    TITLE OF INVENTION:  C-MYC TO MODULATE THE PROLIFERATION
;    TITLE OF INVENTION:  OF SMOOTH MUSCLE CELLS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seidel, Gonda, Lavorgna
;      ADDRESSEE:  & Monaco, P.C.
;      STREET:  Two Penn Center, Suite 1800
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH 720 Kb
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS/DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/481,341
;      FILING DATE:  January 7, 1994
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/004,799
;      FILING DATE:  January 7, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Daniel A. Monaco
;      REGISTRATION NUMBER:  30,480
;      REFERENCE/DOCKET NUMBER:  8321-9 CI1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-8383
;      TELEFAX:  (215) 568-5549
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
US-08-481-341-10

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTC 667
              ||| ||| |||||||
Db          6 GAGCACCAGGGGCTC 20


RESULT 3189
US-08-424-991B-7
; Sequence 7, Application US/08424991B
; Patent No. 6323184
;  GENERAL INFORMATION:
;    APPLICANT:  Yi Shi and Andrew Zalewski
;    TITLE OF INVENTION:  Arteriovenous and Venous Graft
;    TITLE OF INVENTION:  Treatments:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John D. Mendlein, Ph.D.
;      STREET:  Five Palo Alto Square
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers.
;      SOFTWARE:  2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/424,991B
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT Application US94/11853
;      FILING DATE:  October 17, 1994
;    ATTORNEY/AGENT INFORMATION:
```

```
;       NAME:  John D. Mendlein, Ph.D.
;       REGISTRATION NUMBER:  38,770
;       REFERENCE/DOCKET NUMBER:  LYNX-014/02US
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 843-5020
;       TELEFAX:  (415) 857-0663
;   INFORMATION FOR SEQ ID NO:  7:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 nucleotides
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-424-991B-7

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTC 667
              ||| ||| |||||||
Db          6 GAGCACCAGGGGCTC 20


RESULT 3190
US-08-424-991B-8
; Sequence 8, Application US/08424991B
; Patent No. 6323184
;  GENERAL INFORMATION:
;    APPLICANT:  Yi Shi and Andrew Zalewski
;    TITLE OF INVENTION:  Arteriovenous and Venous Graft
;    TITLE OF INVENTION:  Treatments:  Methods and Compositions
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  John D. Mendlein, Ph.D.
;      STREET:  Five Palo Alto Square
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94306
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch diskette
;      COMPUTER:  IBM compatible
;      OPERATING SYSTEM:  Windows 3.1/DOS 5.0
;      SOFTWARE:  Microsoft Word for Windows, vers.
;      SOFTWARE:  2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/424,991B
;      FILING DATE:
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT Application US94/11853
;      FILING DATE:  October 17, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  John D. Mendlein, Ph.D.
;      REGISTRATION NUMBER:  38,770
;      REFERENCE/DOCKET NUMBER:  LYNX-014/02US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 843-5020
;      TELEFAX:  (415) 857-0663
;  INFORMATION FOR SEQ ID NO:  8:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 nucleotides
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-424-991B-8

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTC 667
              ||| ||| |||||||
Db          6 GAGCACCAGGGGCTC 20


RESULT 3191
PCT-US94-00265-10
; Sequence 10, Application PC/TUS9400265
;  GENERAL INFORMATION:
;    APPLICANT:  Thomas Jefferson University
;    TITLE OF INVENTION:  ANTISENSE INHIBITION OF
;    TITLE OF INVENTION:  C-MYC TO MODULATE THE PROLIFERATION
;    TITLE OF INVENTION:  OF SMOOTH MUSCLE CELLS
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Seidel, Gonda, Lavorgna
;      ADDRESSEE:  & Monaco, P.C.
;      STREET:  Two Penn Center, Suite 1800
;      CITY:  Philadelphia
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19102
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  DISKETTE, 3.5 INCH 720 Kb
;      COMPUTER:  IBM PS/2
;      OPERATING SYSTEM:  MS/DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US94/00265
;      FILING DATE:  herewith
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  004,799
;      FILING DATE:  January 7, 1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Daniel A. Monaco
;      REGISTRATION NUMBER:  30,480
;      REFERENCE/DOCKET NUMBER:  8321-9
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (215) 568-8383
;      TELEFAX:  (215) 568-5549
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    ANTI-SENSE:  yes
PCT-US94-00265-10

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        653 GAGAACCTGGGGCTC 667
              ||| ||| |||||||
Db          6 GAGCACCAGGGGCTC 20


RESULT 3192
US-09-021-701-553/c
; Sequence 553, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
```

```
;       CITY:  Palo Alto
;       STATE:  CA
;       COUNTRY:  USA
;       ZIP:  94304
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/021,701
;       FILING DATE:  10-FEB-1998
;       CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Choi, Wendy A.
;       REGISTRATION NUMBER:  36,697
;       REFERENCE/DOCKET NUMBER:  10971464-1
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  650-236-2386
;       TELEFAX:  650-852-8063
;   INFORMATION FOR SEQ ID NO:  553:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  cDNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
US-09-021-701-553

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAAAA 2797
                || ||||| ||||||
Db         20 TTAAAAAAGAAAAAA 6


RESULT 3193
US-08-222-177A-55
; Sequence 55, Application US/08222177A
; Patent No. 5582979
;  GENERAL INFORMATION:
;     APPLICANT:  Weber, James L.
;     TITLE OF INVENTION:  LENGTH POLYMORPHISMS IN
;     TITLE OF INVENTION:  (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
;     NUMBER OF SEQUENCES:  460
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  DeWitt Ross & Stevens, S.C.
;       STREET:  8000 Excelsior Drive, Suite 401
;       CITY:  Madison
;       STATE:  Wisconsin
;       COUNTRY:  USA
;       ZIP:  53717-1914
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/222,177A
;       FILING DATE:
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 07/341,562
;       FILING DATE:  21-APR-1989
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Sara, Charles S.
;       REGISTRATION NUMBER:  30,492
;       REFERENCE/DOCKET NUMBER:  09865.601
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (608) 831-2100
;       TELEFAX:  (608) 831-2106
;       TELEX:
;   INFORMATION FOR SEQ ID NO:  55:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  double
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     IMMEDIATE SOURCE:
;       CLONE:  mfd1p2
US-08-222-177A-55

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy        400 TCTGGGGGAAGCGTA 414
                ||||||  ||||  |||
Db          6 TCTGGGAGAAGGGTA 20


RESULT 3194
US-08-687-421-329/c
; Sequence 329, Application US/08687421
; Patent No. 6177557
;  GENERAL INFORMATION:
;     APPLICANT:  Gold, Larry
;     APPLICANT:  Janjic, Nebojsa
;     APPLICANT:  Tasset, Diane
;     TITLE OF INVENTION:  HIGH-AFFINITY LIGANDS OF BASIC
;     TITLE OF INVENTION:  FIBROBLAST GROWTH FACTOR AND
;     TITLE OF INVENTION:  THROMBIN
;     NUMBER OF SEQUENCES:  445
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  Swanson & Bratschun, L.L.C.
;       STREET:  8400 E. Prentice Avenue, Suite 200
;       CITY:  Englewood
;       STATE:  Colorado
;       COUNTRY:  USA
;       ZIP:  80111
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Diskette, 3.5 inch, 1.44 MB storage
;       COMPUTER:  IBM compatible
;       OPERATING SYSTEM:  MS-DOS
;       SOFTWARE:  WordPerfect 6.0
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/687,421
;       FILING DATE:  08-MAY-1996
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/195,005
;       FILING DATE:  10-FEBRUARY-1994
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:  22-APRIL-1993
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  08/219,012
;       FILING DATE:  28-MARCH-1994
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/973,333
;       FILING DATE:  11-NOVEMBER-1992
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/714,131
;       FILING DATE:  10-JUNE-1991
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  07/536,428
;       FILING DATE:  11-JUNE-1990
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Barry J. Swanson
;       REGISTRATION NUMBER:  33,215
;       REFERENCE/DOCKET NUMBER:  NEX07/PCT
```

```
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (303) 793-3333
;      TELEFAX:  (303) 793-3433
;  INFORMATION FOR SEQ ID NO:  329:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  N
;      LOCATION:  17 and 19
;      OTHER INFORMATION:  The N = biotin
US-08-687-421-329

  Query Match             0.4%;  Score 11.8;  DB 1;  Length 20;
  Best Local Similarity   86.7%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy         57 GGGGCGGCGGCAGAC 71
              ||||| || ||||||
Db         15 GGGGCAGCAGCAGAC 1


RESULT 3195
US-09-143-212-45/c
; Sequence 45, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia and Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
;  FILE REFERENCE: RTS-0005
;  CURRENT APPLICATION NUMBER: US/09/143,212B
;  CURRENT FILING DATE: 1998-08-28
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 45
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-45

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 18;
  Best Local Similarity   77.8%;  Pred. No. 3.5e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        410 GCGTACGCCGCCGCCATC 427
              ||   |||||||||||  |
Db         18 GCCGCCGCCGCCGCCACC 1


RESULT 3196
US-09-143-212-46
; Sequence 46, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia and Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
;  FILE REFERENCE: RTS-0005
;  CURRENT APPLICATION NUMBER: US/09/143,212B
;  CURRENT FILING DATE: 1998-08-28
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 46
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-46

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 18;
  Best Local Similarity   77.8%;  Pred. No. 3.5e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        554 GGGCTGGAGGCGGGCGCG 571
              |||| || |||||  |||
Db          1 GGGCAGGTGGCGGCGGCG 18


RESULT 3197
US-08-656-906-3/c
; Sequence 3, Application US/08656906
; Patent No. 5972901
;  GENERAL INFORMATION:
;    APPLICANT:  Perkol Jr., Thomas W.
;    APPLICANT:  Davis, Pamela B.
;    APPLICANT:  Ziady, Assem-Galal
;    TITLE OF INVENTION:  Serpin Enzyme Complex Receptor -
;    TITLE OF INVENTION:  Mediated Gene Transfer
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States Of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/656,906
;      FILING DATE:  03-JUN-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/
;      FILING DATE:  03-JUN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO WO 95/25809
;      FILING DATE:  23-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/216,534
;      FILING DATE:  23-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ingolia, Diane E.
;      REGISTRATION NUMBER:  40,027
;      REFERENCE/DOCKET NUMBER:  CASE-02280
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-656-906-3

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 19;
  Best Local Similarity   77.8%;  Pred. No. 3.7e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAA 2803
              |||||| || || || ||
Db         19 AAAAAAGAAGAAGAAGAA 2


RESULT 3198
US-09-217-847-3/c
; Sequence 3, Application US/09217847
; Patent No. 6200801
;  GENERAL INFORMATION:
```

```
;    APPLICANT:  Ferkol Jr., Thomas W.
;    APPLICANT:  Davis, Pamela B.
;    APPLICANT:  Ziady, Assem-Galal
;    TITLE OF INVENTION:  Serpin Enzyme Complex Receptor -
;    TITLE OF INVENTION:  Mediated Gene Transfer
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States Of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/217,847
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/656,906
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO WO 95/25809
;      FILING DATE:  23-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/216,534
;      FILING DATE:  23-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ingolia, Diane E.
;      REGISTRATION NUMBER:  40,027
;      REFERENCE/DOCKET NUMBER:  CASE-02280
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-217-847-3

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 19;
  Best Local Similarity   77.8%;  Pred. No. 3.7e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAAAA 2803
              |||||| || || || ||
Db         19 AAAAAAGAAGAAGAAGAA 2


RESULT 3199
US-08-807-104-5/c
; Sequence 5, Application US/08807104
; Patent No. 5861501
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND
;    TITLE OF INVENTION:  APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MICHAEL D. YABLONSKY - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  USA
;      ZIP:  07065
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/807,104
;      FILING DATE:  04-FEB-1997
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  YABLONSKY, MICHAEL D
;      REGISTRATION NUMBER:  40,407
;      REFERENCE/DOCKET NUMBER:  19406DA
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  732-594-4678
;      TELEFAX:  732-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-807-104-5

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 19;
  Best Local Similarity   77.8%;  Pred. No. 3.7e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||||   |||| |||||
Db         19 GAAAAGCTAAAATAAAAA 2


RESULT 3200
US-08-480-068-5/c
; Sequence 5, Application US/08480068
; Patent No. 6111095
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/480,068
;      FILING DATE:  07-JUN-1995
```

```
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:
;       FILING DATE:
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  GIESSER, JOANNE M
;       REGISTRATION NUMBER:  32,838
;       REFERENCE/DOCKET NUMBER:  19406
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  908-594-3046
;       TELEFAX:  908-594-4720
;       TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  19 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  Genomic RNA
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;     FEATURE:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
;       NAME/KEY:  Modified Base
;       LOCATION:  1...1
;       OTHER INFORMATION:
US-08-480-068-5

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 19;
  Best Local Similarity   77.8%;  Pred. No. 3.7e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                 |||||   |||| |||||
Db         19 GAAAAGCTAAAATAAAAA 2


RESULT 3201
US-08-973-137-5/c
; Sequence 5, Application US/08973137
; Patent No. 6369208
;  GENERAL INFORMATION:
;    APPLICANT:  BENSELER, FRITZ
;    APPLICANT:  COLE, JAMES L.
;    APPLICANT:  OLSEN, DAVID B.
;    APPLICANT:  KUO, LAWRENCE C.
;    TITLE OF INVENTION:  CAPPED SYNTHETIC RNA, ANALOGS, AND APTAMERS
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  JOANNE M. GIESSER - MERCK & CO., INC.
;      STREET:  126 EAST LINCOLN AVENUE - P.O. BOX 2000
;      CITY:  RAHWAY
;      STATE:  NJ
;      COUNTRY:  US
;      ZIP:  07065-0907
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ Version 1.5
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/973,137
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/480,068
;      FILING DATE:  07-JUN-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  GIESSER, JOANNE M
;      REGISTRATION NUMBER:  32,838
;      REFERENCE/DOCKET NUMBER:  19406
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  908-594-3046
;      TELEFAX:  908-594-4720
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic RNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;    FEATURE:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
;      NAME/KEY:  Modified Base
;      LOCATION:  1...1
;      OTHER INFORMATION:
US-08-973-137-5

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 19;
  Best Local Similarity   77.8%;  Pred. No. 3.7e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
                 |||||   |||| |||||
Db         19 GAAAAGCTAAAATAAAAA 2


RESULT 3202
US-09-422-978-5276
; Sequence 5276, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
;  APPLICANT: Cohen, Daniel
;  APPLICANT: Blumenfeld, Marta
;  APPLICANT: Chumakov, Ilya
;  TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
;  FILE REFERENCE: GENSET.020CP1
;  CURRENT APPLICATION NUMBER: US/09/422,978
;  CURRENT FILING DATE: 1999-10-20
;  EARLIER APPLICATION NUMBER: US 09/298,850
;  EARLIER FILING DATE: 1999-04-21
;  EARLIER APPLICATION NUMBER: US 60/109,732
;  EARLIER FILING DATE: 1998-11-23
;  EARLIER APPLICATION NUMBER: US 60/082,614
;  EARLIER FILING DATE: 1998-04-21
;  NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 5276
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Homo Sapiens
;   FEATURE:
;   NAME/KEY: primer_bind
;   LOCATION: 1..19
;   OTHER INFORMATION: upstream amplification primer 99-23123 for SEQ 1342,
US-09-422-978-5276

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 19;
  Best Local Similarity   77.8%;  Pred. No. 3.7e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1495 GAAAATGGAGAAACACAG 1512
                 ||| | ||||||| | ||
Db          2 GAACAAGGAGAAAAAGAG 19
```

```
RESULT 3203
US-08-813-508-5/c
; Sequence 5, Application US/08813508
; Patent No. 5856104
;  GENERAL INFORMATION:
;    APPLICANT:  Chee, Mark
;    APPLICANT:  Fan, Jian-Bing
;    TITLE OF INVENTION:  Polymorphisms in the Glucose-6 Phosphate
;    TITLE OF INVENTION:  Dehydrogenase Locus
;    NUMBER OF SEQUENCES:  29
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew LLP
;      STREET:  Two Embarcader Center, Eighth Floor
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-3834
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/813,508
;      FILING DATE:  07-MAR-1997
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/029,374
;      FILING DATE:  28-OCT-1996
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Liebeschuetz, Joe O.
;      REGISTRATION NUMBER:  37,505
;      REFERENCE/DOCKET NUMBER:  018547-030200US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 576-0200
;      TELEFAX:  (415) 576-0300
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
US-08-813-508-5

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1638 TATTTAAAGAGCCTTCAC 1655
              |||||  ||||| || ||
Db         18 TATTTGCAGAGCATTTAC 1


RESULT 3204
US-09-021-701-559/c
; Sequence 559, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  559:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-559

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2779 AGAATTGAAAAAAAAAAA 2796
              ||  || ||||| |||||
Db         18 AGGGTTAAAAAAGAAAAA 1


RESULT 3205
US-09-798-096-66/c
; Sequence 66, Application US/09798096
; Patent No. 6399378
; GENERAL INFORMATION:
;  APPLICANT: Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL2 EXPRESSION
;  FILE REFERENCE: RTS-0207
;  CURRENT APPLICATION NUMBER: US/09/798,096
;  CURRENT FILING DATE:  2001-03-01
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 66
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-798-096-66

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1490 CTGGAGAAAATGGAGAAA 1507
              |||||  | |||| ||||
Db         18 CTGGAAGAGATGGGGAAA 1


RESULT 3206
US-09-517-467B-200/c
; Sequence 200, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
;  APPLICANT: Ian Popoff
;  APPLICANT:  Lex M. Cowsert
```

```
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PARP EXPRESSION
;  FILE REFERENCE: RTS-0150
;  CURRENT APPLICATION NUMBER: US/09/517,467B
;  CURRENT FILING DATE:  2001-03-02
;  PRIOR APPLICATION NUMBER: 09/517,467
;  PRIOR FILING DATE: 2000-03-02
;  NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 200
;   LENGTH: 20
;   TYPE: DNA<220>
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-467B-200

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1902 ATCAACAGATCAACAATA 1919
              |||  |||  |||||||  |
Db         18 ATCTCCAGTTCAACAACA 1


RESULT 3207
US-08-492-723-11/c
; Sequence 11, Application US/08492723
; Patent No. 6531296
;  GENERAL INFORMATION:
;    APPLICANT:  Liu, Edison T.
;    APPLICANT:  Craven, Rolf J.
;    APPLICANT:  Cance, William G.
;    TITLE OF INVENTION:  NUCLEAR TYROSINE KINASE RAK
;    NUMBER OF SEQUENCES:  13
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Bell, Seltzer, Park & Gibson
;      STREET:  PO Box 34009
;      CITY:  Charlotte
;      STATE:  No. 6531296th Carolina
;      COUNTRY:  USA
;      ZIP:  28234
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/492,723
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sibley, Kenneth D.
;      REGISTRATION NUMBER:  31,665
;      REFERENCE/DOCKET NUMBER:  5470-121
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  919-420-2200
;      TELEFAX:  919-881-3175
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-492-723-11

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2756 TGTATAATAAAAGTATTC 2773
              |||  |  |  ||||||  |||
Db         19 TGTTTCAAAAAAGTCTTC 2


RESULT 3208
US-09-428-584-18/c
; Sequence 18, Application US/09428584
; Patent No. 6136604
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Jacqueline Wyatt
;  TITLE OF INVENTION: ANTISENSE MODULATION OF METHIONINE AMINOPEPTIDASE 2 EXPRESSION
;  FILE REFERENCE: RTS-0114
;  CURRENT APPLICATION NUMBER: US/09/428,584
;  CURRENT FILING DATE: 1999-10-27
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 18
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-584-18

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2785 GAAAAAAAAAAAAAAAAA 2802
              |||  ||  |||||  ||  ||
Db         18 GAAGAAGAAAAAGAAGAA 1


RESULT 3209
US-09-344-914-77
; Sequence 77, Application US/09344914
; Patent No. 6110664
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF G-ALPHA-S1 EXPRESSION
;  FILE REFERENCE: RTS-0068
;  CURRENT APPLICATION NUMBER: US/09/344,914
;  CURRENT FILING DATE: 1999-06-25
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 77
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-344-914-77

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       2164 CCTTTTTTTTTTTTTTTT 2181
              |  |||  |||  ||||  |||
Db          1 CATTTGTTTCTTTTATTT 18


RESULT 3210
US-09-358-384-44
; Sequence 44, Application US/09358384
; Patent No. 6130088
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TELOMERIC REPEAT BINDING FACTOR 1 EXPRESS
;  FILE REFERENCE: RTS-0083
;  CURRENT APPLICATION NUMBER: US/09/358,384
;  CURRENT FILING DATE: 1999-07-21
;  NUMBER OF SEQ ID NOS: 47
; SEQ ID NO 44
;   LENGTH: 20
```

```
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-358-384-44

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1505 AAACACAGGAAATAAAAT 1522
              |||||| ||||  ||| |
Db          3 AAACACTGGAACAAAAGT 20


RESULT 3211
US-09-487-368A-224
; Sequence 224, Application US/09487368A
; Patent No. 6261840
; GENERAL INFORMATION:
;  APPLICANT:      Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE:      RTS-0093
;  CURRENT APPLICATION NUMBER: US/09/487,368A
;  CURRENT FILING DATE:  2000-01-18
;  NUMBER OF SEQ ID NOS:      240
; SEQ ID NO 224
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-487-368A-224

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        529 GGCCGGCCTACTGCCCCA 546
              ||| ||||| ||  ||||
Db          3 GGCGGGCCTGCTTGCCCA 20


RESULT 3212
US-09-428-583-24
; Sequence 24, Application US/09428583
; Patent No. 6271029
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-2 EXPRESSION
;  FILE REFERENCE: RTS-0096
;  CURRENT APPLICATION NUMBER: US/09/428,583
;  CURRENT FILING DATE: 1999-10-27
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 24
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-428-583-24

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        709 CGACCAGCACCTGTTGCT 726
              | ||||||| ||  ||||
Db          3 CCACCAGCAGCTCCTGCT 20


RESULT 3213
US-09-792-594-37/c
; Sequence 37, Application US/09792594
; Patent No. 6436706
; GENERAL INFORMATION:
;  APPLICANT:  Donna T. Ward
;  APPLICANT:  Andrew T. Watt
;  TITLE OF INVENTION:  ANTISENSE MODULATION OF RECQL4 EXPRESSION
;  FILE REFERENCE:  RTS-0209
;  CURRENT APPLICATION NUMBER: US/09/792,594
;  CURRENT FILING DATE:  2001-02-23
;  NUMBER OF SEQ ID NOS:  89
; SEQ ID NO 37
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-792-594-37

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy       1384 TGCCGCGGTGTCTGCCCT 1401
              || |  |||||||| |||
Db         18 TGACCAGGTGTCTGGCCT 1


RESULT 3214
US-09-629-644A-224
; Sequence 224, Application US/09629644A
; Patent No. 6602857
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  APPLICANT:  Jacqueline Wyatt
;  APPLICANT:  Susan M. Freier
;  APPLICANT:  Brett P. Monia
;  APPLICANT:  Madeline M. Butler
;  APPLICANT:  Robert McKay
;  TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
;  FILE REFERENCE: ISPH-0478
;  CURRENT APPLICATION NUMBER: US/09/629,644A
;  CURRENT FILING DATE:  2000-07-31
;  PRIOR APPLICATION NUMBER: US 09/487,368
;  PRIOR FILING DATE: 2000-01-18
;  NUMBER OF SEQ ID NOS: 242
; SEQ ID NO 224
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-224

  Query Match             0.4%;  Score 11.6;  DB 1;  Length 20;
  Best Local Similarity   77.8%;  Pred. No. 3.8e+03;
  Matches   14;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy        529 GGCCGGCCTACTGCCCCA 546
              ||| ||||| ||  ||||
Db          3 GGCGGGCCTGCTTGCCCA 20


RESULT 3215
US-07-850-343A-5
; Sequence 5, Application US/07850343A
; Patent No. 5262311
;  GENERAL INFORMATION:
;    APPLICANT:  Pardee, Arthur B.
;    APPLICANT:  Liang, Peng
;    TITLE OF INVENTION:  Identifying, Isolating and Cloning
;    TITLE OF INVENTION:  Messenger RNAs
```

```
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Choate, Hall & Stewart
;      STREET:  Exchange Place, 53 State Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02190
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/850,343A
;      FILING DATE:  19920311
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Pasternack, Sam
;      REGISTRATION NUMBER:  29,576
;      REFERENCE/DOCKET NUMBER:  DFCI234
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617 227-5020
;      TELEFAX:  617 227-7566
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-07-850-343A-5

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              ||||||||||| |
Db          1 TTTTTTTTTTTCA 13


RESULT 3216
US-08-351-748-10
; Sequence 10, Application US/08351748
; Patent No. 5599672
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Peng
;    APPLICANT:  Pardee, Arthur B.
;    APPLICANT:  Bianchi, Cesario F.
;    TITLE OF INVENTION:  IDENTIFYING, ISOLATING, AND CLONING
;    TITLE OF INVENTION:  MESSENGER RNAS
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CHOATE, HALL & STEWART
;      STREET:  53 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2891
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/351,748
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/033,084
;      FILING DATE:  11-MAR-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Kaplan Esq., Warren A.
;      REGISTRATION NUMBER:  34,199
;      REFERENCE/DOCKET NUMBER:  181411-008
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 248-5000
;      TELEFAX:  (617) 248-4000
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-351-748-10

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              ||||||||||| |
Db          1 TTTTTTTTTTTCA 13


RESULT 3217
US-08-430-536A-10
; Sequence 10, Application US/08430536A
; Patent No. 5665547
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Peng
;    APPLICANT:  Pardee, Arthur B.
;    TITLE OF INVENTION:  IDENTIFYING, ISOLATING, AND CLONING
;    TITLE OF INVENTION:  MESSENGER RNAS
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CHOATE, HALL & STEWART
;      STREET:  53 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2891
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/430,536A
;      FILING DATE:  25-APR-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Herschbach Ph.D., Brenda M.
;      REGISTRATION NUMBER:  39,223
;      REFERENCE/DOCKET NUMBER:  181411-012
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 248-5000
;      TELEFAX:  (617) 248-4000
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-430-536A-10

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;
```

```
Qy       1771 TTTTTTTTTTTGA 1783
              ||||||||||| |
Db          1 TTTTTTTTTTTCA 13


RESULT 3218
US-08-486-955A-1
; Sequence 1, Application US/08486955A
; Patent No. 5747299
;  GENERAL INFORMATION:
;    APPLICANT:  FATHMAN, Garrison
;    APPLICANT:  BLOOM, Debra
;    TITLE OF INVENTION:  Anergy Genes
;    NUMBER OF SEQUENCES:  6
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Flehr, Hohbach, Test, Albritton & Herbert
;      STREET:  Four Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  CA
;      COUNTRY:  US
;      ZIP:  94111
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/486,955A
;      FILING DATE:  07-JUN-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Rowland, Bertram I.
;      REGISTRATION NUMBER:  20015
;      REFERENCE/DOCKET NUMBER:  A59741-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-781-1989
;      TELEFAX:  415-398-3249
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
US-08-486-955A-1

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              ||||||||||| |
Db          1 TTTTTTTTTTTCA 13


RESULT 3219
US-08-684-547-10
; Sequence 10, Application US/08684547
; Patent No. 5965409
;  GENERAL INFORMATION:
;    APPLICANT:  Pardee Ph.D., Arthur B.
;    APPLICANT:  Liang Ph.D., Peng
;    TITLE OF INVENTION:  SYSTEM FOR COMPARING LEVELS OR AMOUNTS
;    TITLE OF INVENTION:  OF mRNAs
;    NUMBER OF SEQUENCES:  27
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  CHOATE, HALL & STEWART
;      STREET:  53 State Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02109-2891
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/684,547
;      FILING DATE:  19-JUL-1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Jarrell Ph.D., Brenda H.
;      REGISTRATION NUMBER:  39,223
;      REFERENCE/DOCKET NUMBER:  0181411-0013
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 248-5000
;      TELEFAX:  (617) 248-4000
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-684-547-10

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              ||||||||||| |
Db          1 TTTTTTTTTTTCA 13


RESULT 3220
US-08-680-506-15
; Sequence 15, Application US/08680506C
; Patent No. 6008013
; GENERAL INFORMATION:
;  APPLICANT: Reynolds, Paul R.
;  TITLE OF INVENTION: CHONDROCYTE PROTEINS
;  FILE REFERENCE: 176/60091
;  CURRENT APPLICATION NUMBER: US/08/680,506C
;  CURRENT FILING DATE: 1996-07-08
;  EARLIER APPLICATION NUMBER: 60/021,672
;  EARLIER FILING DATE: 1996-07-05
;  NUMBER OF SEQ ID NOS: 18
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:  3' end primer
US-08-680-506-15

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              ||||||||||| |
Db          1 TTTTTTTTTTTCA 13


RESULT 3221
US-08-985-492-17/c
; Sequence 17, Application US/08985492
; Patent No. 6395530
;  GENERAL INFORMATION:
;    APPLICANT:  Jaye, Michael C.
;    APPLICANT:  Doan, Kim-Anh T.
;    APPLICANT:  Krawiec, John A.
```

```
;    APPLICANT:  Lynch, Kevin J.
;    APPLICANT:  Amin, Dilip V.
;    APPLICANT:  South, Victoria J.
;    TITLE OF INVENTION:  LLG POLYPEPTIDES OF THE TRIACYLGLYCEROL
;    TITLE OF INVENTION:  LIPASE FAMILY, AND COMPOSITIONS AND METHODS FOR THEIR USE
;    TITLE OF INVENTION:  IN ENZYMATIC HYDROLYSIS, AND PROTEIN AND GENE THERAPIES
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Rhone-Poulenc Rorer Inc.
;      STREET:  500 Arcola Rd. 3C43
;      CITY:  Collegeville
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19426
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/985,492
;      FILING DATE:
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Fehlner Ph.D., Paul F.
;      REGISTRATION NUMBER:  35,135
;      REFERENCE/DOCKET NUMBER:  A2582-US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (610)454-3839
;      TELEFAX:  (610)454-3808
;  INFORMATION FOR SEQ ID NO:  17:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "Oligonucleotide"
US-08-985-492-17

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              | ||||||||||||
Db         13 TCAAAAAAAAAAA 1


RESULT 3222
US-09-377-497-56/c
; Sequence 56, Application US/09377497
; Patent No. 6670119
; GENERAL INFORMATION:
;  APPLICANT: YOSHIKAWA, YOSHIE
;  APPLICANT: MUKAI, HIROYUKI
;  APPLICANT: ASADA, KIYOZO
;  APPLICANT: HINO, FUMITSUGU
;  APPLICANT: KATO, IKUNOSHIN
;  TITLE OF INVENTION: CANCER-ASSOCIATED GENES
;  FILE REFERENCE: 1422-388P
;  CURRENT APPLICATION NUMBER: US/09/377,497
;  CURRENT FILING DATE: 1999-08-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 56
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: any n or Xaa = unknown
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-377-497-56

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2783 TTGAAAAAAAAAA 2795
              || ||||||||||
Db         13 TTAAAAAAAAAAA 1


RESULT 3223
US-09-377-497-59
; Sequence 59, Application US/09377497
; Patent No. 6670119
; GENERAL INFORMATION:
;  APPLICANT: YOSHIKAWA, YOSHIE
;  APPLICANT: MUKAI, HIROYUKI
;  APPLICANT: ASADA, KIYOZO
;  APPLICANT: HINO, FUMITSUGU
;  APPLICANT: KATO, IKUNOSHIN
;  TITLE OF INVENTION: CANCER-ASSOCIATED GENES
;  FILE REFERENCE: 1422-388P
;  CURRENT APPLICATION NUMBER: US/09/377,497
;  CURRENT FILING DATE: 1999-08-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: any n or Xaa = unknown
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-377-497-59

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              |||||||||||| |
Db          1 TTTTTTTTTTTCA 13


RESULT 3224
US-09-377-497-62/c
; Sequence 62, Application US/09377497
; Patent No. 6670119
; GENERAL INFORMATION:
;  APPLICANT: YOSHIKAWA, YOSHIE
;  APPLICANT: MUKAI, HIROYUKI
;  APPLICANT: ASADA, KIYOZO
;  APPLICANT: HINO, FUMITSUGU
;  APPLICANT: KATO, IKUNOSHIN
;  TITLE OF INVENTION: CANCER-ASSOCIATED GENES
;  FILE REFERENCE: 1422-388P
;  CURRENT APPLICATION NUMBER: US/09/377,497
;  CURRENT FILING DATE: 1999-08-20
;  NUMBER OF SEQ ID NOS: 70
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62
;   LENGTH: 13
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: any n or Xaa = unknown
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: Synthetic DNA
US-09-377-497-62

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
```

```
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              | ||||||||||||
Db         13 TCAAAAAAAAAAA 1


RESULT 3225
PCT-US93-02246-10
; Sequence 10, Application PC/TUS9302246
;  GENERAL INFORMATION:
;    APPLICANT:  Liang, Peng
;    APPLICANT:  Pardee, Arthur B.
;    TITLE OF INVENTION:  Identifying, Isolating and Cloning
;    TITLE OF INVENTION:  Messenger RNAs
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Choate, Hall & Stewart
;      STREET:  Exchange Place, 53 State Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02190
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/02246
;      FILING DATE:  19930311
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/850,343
;      FILING DATE:  11-MAR-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Pasternack, Sam
;      REGISTRATION NUMBER:  29,576
;      REFERENCE/DOCKET NUMBER:  DFCI234CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617 227-5020
;      TELEFAX:  617 227-7566
;  INFORMATION FOR SEQ ID NO:  10:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US93-02246-10

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 13;
  Best Local Similarity   92.3%;  Pred. No. 1.8e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              |||||||||||| |
Db          1 TTTTTTTTTTTCA 13


RESULT 3226
US-08-292-620A-366
; Sequence 366, Application US/08292620A
; Patent No. 5837542
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/292,620A
;      FILING DATE:  August 17, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  208/149
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  366:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  15 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-292-620A-366

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 15;
  Best Local Similarity   7.7%;  Pred. No. 2.6e+03;
  Matches    1;  Conservative   11;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              :::::::::::: |
Db          1 UUUUUUUUUUUCA 13


RESULT 3227
US-09-071-845-366
; Sequence 366, Application US/09071845
; Patent No. 6132967
;  GENERAL INFORMATION:
;    APPLICANT:  Susan Grimm
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth G. Draper
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  INTRACELLULAR ADHESION
;    TITLE OF INVENTION:  MOLECULE-1 (I-CAM-1)
;    NUMBER OF SEQUENCES:  2390
;    CORRESPONDENCE ADDRESS:
```

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;       ADDRESSEE:  Lyon & Lyon
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/09/071,845
;       FILING DATE:
;       CLASSIFICATION:
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/292,620
;       FILING DATE:  August 17, 1994
;       APPLICATION NUMBER:  08/008,895
;       FILING DATE:  January 19, 1993
;       APPLICATION NUMBER:  07/989,849
;       FILING DATE:  December 7, 1992
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  208/149
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  366:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  15 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-09-071-845-366

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 15;
  Best Local Similarity   7.7%;  Pred. No. 2.6e+03;
  Matches    1;  Conservative   11;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              :::::::::::
Db          1 UUUUUUUUUUUCA 13


RESULT 3228
US-09-081-646-113/c
; Sequence 113, Application US/09081646
; Patent No. 6333152
; GENERAL INFORMATION:
;  APPLICANT: Kinzler, Kenneth
;  APPLICANT: Vogelstein, Bert
;  APPLICANT: Zhang, Lin
;  APPLICANT: Zhou, Wei
;  TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and
;  TITLE OF INVENTION: Cancer Cells
;  FILE REFERENCE: 01107.74664
;  CURRENT APPLICATION NUMBER: US/09/081,646
;  CURRENT FILING DATE: 1998-05-20
;  EARLIER APPLICATION NUMBER: 60/047,352
;  EARLIER FILING DATE: 1997-05-21
;  NUMBER OF SEQ ID NOS: 871
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 113
;   LENGTH: 15
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-081-646-113

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 15;
  Best Local Similarity   92.3%;  Pred. No. 2.6e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1771 TTTTTTTTTTTGA 1783
              ||||||||||| |
Db         15 TTTTTTTTTTTCA 3


RESULT 3229
US-08-584-040-2185/c
; Sequence 2185, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2185:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2185

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              | ||||||||||||
Db         17 TCAAAAAAAAAAA 5


RESULT 3230
US-08-584-040-2186/c
; Sequence 2186, Application US/08584040
```

```
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2186:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2186

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              | ||||||||||||
Db         16 TCAAAAAAAAAAA 4


RESULT 3231
US-09-371-772B-730/c
; Sequence 730, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 730
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-730

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              | ||||||||||||
Db         17 TCAAAAAAAAAAA 5


RESULT 3232
US-09-371-772B-731/c
; Sequence 731, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 731
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-731

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2784 TGAAAAAAAAAAA 2796
              | ||||||||||||
Db         16 TCAAAAAAAAAAA 4


RESULT 3233
US-08-584-040-2545/c
; Sequence 2545, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
```

```
;       ADDRESSEE:  Lyon & Lyon
;       STREET:  633 West Fifth Street
;       STREET:  Suite 4700
;       CITY:  Los Angeles
;       STATE:  California
;       COUNTRY:  U.S.A.
;       ZIP:  90071-2066
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;       MEDIUM TYPE:  storage
;       COMPUTER:  IBM Compatible
;       OPERATING SYSTEM:  IBM P.C. DOS 5.0
;       SOFTWARE:  Word Perfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/584,040
;       FILING DATE:  January 11, 1996
;       CLASSIFICATION:  514
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/005,974
;       FILING DATE:  October 26, 1995
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Warburg, Richard J.
;       REGISTRATION NUMBER:  32,327
;       REFERENCE/DOCKET NUMBER:  218/064
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (213) 489-1600
;       TELEFAX:  (213) 955-0440
;       TELEX:  67-3510
;   INFORMATION FOR SEQ ID NO:  2545:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  17 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-584-040-2545

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1980 AAAAAAGAAAAGT 1992
              |||||| ||||||
Db         17 AAAAAAAAAAAGT 5


RESULT 3234
US-09-371-772B-1069/c
; Sequence 1069, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1069
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1069

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1980 AAAAAAGAAAAGT 1992
              |||||| ||||||
Db         17 AAAAAAAAAAAGT 5


RESULT 3235
US-08-584-040-7816/c
; Sequence 7816, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7816:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7816

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||| ||||||
Db         17 AAAAAACAAAAAA 5


RESULT 3236
US-08-584-040-7817/c
; Sequence 7817, Application US/08584040
; Patent No. 6346398
```

```
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  7817:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-7817

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||| ||||||
Db         16 AAAAAACAAAAAA 4


RESULT 3237
US-09-371-772B-3600/c
; Sequence 3600, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3600
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3600

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||| ||||||
Db         17 AAAAAACAAAAAA 5


RESULT 3238
US-09-371-772B-3601/c
; Sequence 3601, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3601
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Mus sp.
US-09-371-772B-3601

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 17;
  Best Local Similarity   92.3%;  Pred. No. 3.4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||| ||||||
Db         16 AAAAAACAAAAAA 4


RESULT 3239
US-09-496-694B-99
; Sequence 99, Application US/09496694B
; Patent No. 6335194
; GENERAL INFORMATION:
;  APPLICANT: C. Frank Bennett
;  APPLICANT:  Elizabeth J. Ackermann
;  APPLICANT:  Eric E. Swayze
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF SURVIVIN EXPRESSION
;  FILE REFERENCE: ISPH-0439
;  CURRENT APPLICATION NUMBER: US/09/496,694B
;  CURRENT FILING DATE:  2000-02-02
;  PRIOR APPLICATION NUMBER: 09/286,407
;  PRIOR FILING DATE: 1999-04-05
;  PRIOR APPLICATION NUMBER: 09/163,162
;  PRIOR FILING DATE: 1998-09-29
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;  NUMBER OF SEQ ID NOS: 249
; SEQ ID NO 99
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-496-694B-99

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 18;
  Best Local Similarity   92.3%;  Pred. No. 3.7e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        415 CGCCGCCGCCATC 427
              ||||||||||| |
Db          6 CGCCGCCGCCACC 18


RESULT 3240
US-09-893-191B-18/c
; Sequence 18, Application US/09893191B
; Patent No. 6686156
; GENERAL INFORMATION:
;  APPLICANT: Kurn, Nurith
;  TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
;  TITLE OF INVENTION:  TRANSCRIPTION-BASED NUCLEIC ACID AMPLIFICATION
;  FILE REFERENCE: 492692000600
;  CURRENT APPLICATION NUMBER: US/09/893,191B
;  CURRENT FILING DATE:  2001-06-26
;  PRIOR APPLICATION NUMBER: 60/213,908
;  PRIOR FILING DATE: 2000-06-26
;  PRIOR APPLICATION NUMBER: 60/277,748
;  PRIOR FILING DATE: 2001-03-21
;  NUMBER OF SEQ ID NOS: 21
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Synthetic Primer: Chimeric RNA/DNA Primer.
US-09-893-191B-18

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 19;
  Best Local Similarity   92.3%;  Pred. No. 3.9e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        309 ACACTGGAGTCGC 321
              ||||||||| |||
Db         19 ACACTGGAGACGC 7


RESULT 3241
US-09-021-701-551/c
; Sequence 551, Application US/09021701
; Patent No. 6251588
;  GENERAL INFORMATION:
;    APPLICANT:  Shannon, Karen W.
;    APPLICANT:  Wolber, Paul K.
;    APPLICANT:  Delenstarr, Glenda C.
;    APPLICANT:  Webb, Peter G.
;    APPLICANT:  Kincaid, Robert H.
;    TITLE OF INVENTION:  Methods for evaluating oligonucleotide
;    TITLE OF INVENTION:  probe sequences
;    NUMBER OF SEQUENCES:  1165
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Records Manager, Legal Department, Hewlett-Packard Company M/S 20
;      STREET:  3000 Hanover Street
;      CITY:  Palo Alto
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/021,701
;      FILING DATE:  10-FEB-1998
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Choi, Wendy A.
;      REGISTRATION NUMBER:  36,697
;      REFERENCE/DOCKET NUMBER:  10971464-1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-236-2386
;      TELEFAX:  650-852-8063
;  INFORMATION FOR SEQ ID NO:  551:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-09-021-701-551

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 20;
  Best Local Similarity   92.3%;  Pred. No. 4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAA 2798
              |||||| ||||||
Db         20 AAAAAAGAAAAAA 8


RESULT 3242
US-09-198-452A-6579
; Sequence 6579, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
;  APPLICANT: Griffais, R.
;  TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
;  TITLE OF INVENTION:  thereof and uses thereof, in particular for the diagnosis, prever
;  TITLE OF INVENTION:  and treatment of infection
;  FILE REFERENCE: 9710-003-999
;  CURRENT APPLICATION NUMBER: US/09/198,452A
;  CURRENT FILING DATE:  1998-11-24
;  NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 6579
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Chlamydia pneumoniae
US-09-198-452A-6579

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 20;
  Best Local Similarity   92.3%;  Pred. No. 4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy        286 CAGCCCCGCGCCA 298
              ||||||||| |||
Db          7 CAGCCCCGCACCA 19


RESULT 3243
US-09-409-604-10
; Sequence 10, Application US/09409604A
; Patent No. 6632934
; GENERAL INFORMATION:
;  APPLICANT:  Moreadith, Randall W.
;  APPLICANT:  Zinn, Andrew R.
;  APPLICANT:  Watson, Mark L.
;  APPLICANT:  Inoue, No. 6632934imitsu
;  APPLICANT:  Hess, Karl D.
```

```
;  APPLICANT:  Albright, George M.
;  TITLE OF INVENTION:  MORC GENE COMPOSITIONS AND METHODS OF USE
;  FILE REFERENCE:  UTSD:573
;  CURRENT APPLICATION NUMBER: US/09/409,604A
;  CURRENT FILING DATE:  1999-09-30
;  NUMBER OF SEQ ID NOS:  18
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 10
;   LENGTH: 21
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:    This is an
;   OTHER INFORMATION: oligonucleotide primer.
US-09-409-604-10

  Query Match             0.4%;  Score 11.4;  DB 1;  Length 21;
  Best Local Similarity   92.3%;  Pred. No. 4e+03;
  Matches   12;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1845 CCTGGGCCAACAG 1857
              |||||||||||||
Db          7 CGTGGGCCAACAG 19


RESULT 3244
US-08-753-147-140/c
; Sequence 140, Application US/08753147
; Patent No. 5770372
;  GENERAL INFORMATION:
;    APPLICANT:  Concannon, Patrick
;    TITLE OF INVENTION:  Detection of Mutations in the Human ATM Gene
;    NUMBER OF SEQUENCES:  196
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Christensen O'Connor Johnson and Kindness
;      STREET:  1420 5th Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98101-2347
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/753,147
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sheiness, Diana K.
;      REGISTRATION NUMBER:  35,356
;      REFERENCE/DOCKET NUMBER:  VMRC-1-9714
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 743-4387
;      TELEFAX:  (206) 224 0779
;  INFORMATION FOR SEQ ID NO:  140:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
US-08-753-147-140

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 3.2e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1970 TTTACCTTGAAAAAAA 1985
              || ||  |||||||||
Db         16 TTGACACTGAAAAAAA 1


RESULT 3245
US-08-431-080-3/c
; Sequence 3, Application US/08431080
; Patent No. 5698686
;  GENERAL INFORMATION:
;    APPLICANT:  Gottschling, Daniel E.
;    APPLICANT:  Singer, Miriam S.
;    TITLE OF INVENTION:  Telomerase Compositions and Methods
;    NUMBER OF SEQUENCES:  32
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  TEXAS
;      COUNTRY:  UNITED STATES OF AMERICA
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS/ASCII
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/431,080
;      FILING DATE:  Concurrently Herewith
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  SN 08/326,781
;      FILING DATE:  October 20, 1994
;      CLASSIFICATION:  514
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parker, David L.
;      REGISTRATION NUMBER:  32,165
;      REFERENCE/DOCKET NUMBER:  ARCD:155/PAR
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512) 418-3000
;      TELEFAX:  (713) 789-2679
;      TELEX:  79-0924
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-431-080-3

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 3.2e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2676 GTGTGTGGGTGAAATG 2691
              ||||||||||   ||
Db         16 GTGTGTGGGTGTGGTG 1


RESULT 3246
US-08-938-534-3/c
; Sequence 3, Application US/08938534
; Patent No. 5916752
;  GENERAL INFORMATION:
;    APPLICANT:  Gottschling, Daniel E.
;    APPLICANT:  Singer, Miriam S.
;    TITLE OF INVENTION:  Telomerase Compositions and Methods
;    NUMBER OF SEQUENCES:  32
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  TEXAS
```

```
;      COUNTRY:  UNITED STATES OF AMERICA
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS/ASCII
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/938,534
;      FILING DATE:  26-SEP-1997
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/431,080
;      FILING DATE:
;      APPLICATION NUMBER:  SN 08/326,781
;      FILING DATE:  October 20, 1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Parker, David L.
;      REGISTRATION NUMBER:  32,165
;      REFERENCE/DOCKET NUMBER:  ARCD:155/PAR
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512) 418-3000
;      TELEFAX:  (713) 789-2679
;      TELEX:  79-0924
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-938-534-3

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 3.2e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2676 GTGTGTGGGTGAAATG 2691
              ||||||||||   ||
Db         16 GTGTGTGGGTGTGGTG 1


RESULT 3247
US-08-656-906-2
; Sequence 2, Application US/08656906
; Patent No. 5972901
;  GENERAL INFORMATION:
;    APPLICANT:  Ferkol Jr., Thomas W.
;    APPLICANT:  Davis, Pamela B.
;    APPLICANT:  Ziady, Assem-Galal
;    TITLE OF INVENTION:  Serpin Enzyme Complex Receptor -
;    TITLE OF INVENTION:  Mediated Gene Transfer
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States Of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/656,906
;      FILING DATE:  03-JUN-1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/
;      FILING DATE:  03-JUN-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO WO 95/25809
;      FILING DATE:  23-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/216,534
;      FILING DATE:  23-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ingolia, Diane E.
;      REGISTRATION NUMBER:  40,027
;      REFERENCE/DOCKET NUMBER:  CASE-02280
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-656-906-2

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 3.2e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              || || || |||||||
Db          1 AAGAAGAAGAAAAAAA 16


RESULT 3248
US-09-217-847-2
; Sequence 2, Application US/09217847
; Patent No. 6200801
;  GENERAL INFORMATION:
;    APPLICANT:  Ferkol Jr., Thomas W.
;    APPLICANT:  Davis, Pamela B.
;    APPLICANT:  Ziady, Assem-Galal
;    TITLE OF INVENTION:  Serpin Enzyme Complex Receptor -
;    TITLE OF INVENTION:  Mediated Gene Transfer
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Medlen & Carroll
;      STREET:  220 Montgomery Street, Suite 2200
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  United States Of America
;      ZIP:  94104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/217,847
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/656,906
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  WO WO 95/25809
;      FILING DATE:  23-MAR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/216,534
;      FILING DATE:  23-MAR-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Ingolia, Diane E.
;      REGISTRATION NUMBER:  40,027
;      REFERENCE/DOCKET NUMBER:  CASE-02280
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 705-8410
;      TELEFAX:  (415) 397-8338
;  INFORMATION FOR SEQ ID NO:  2:
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```
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  16 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-09-217-847-2

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 3.2e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
                || || || |||||||
Db          1 AAGAAGAAGAAAAAAA 16


RESULT 3249
US-09-345-294-3/c
; Sequence 3, Application US/09345294
; Patent No. 6387619
;   GENERAL INFORMATION:
;        APPLICANT: Gottschling, Daniel E.
;                   Singer, Miriam S.
;        TITLE OF INVENTION: Telomerase Compositions and Methods
;        NUMBER OF SEQUENCES: 32
;        CORRESPONDENCE ADDRESS:
;             ADDRESSEE: Arnold, White & Durkee
;             STREET: P.O. Box 4433
;             CITY: Houston
;             STATE: TEXAS
;             COUNTRY: UNITED STATES OF AMERICA
;             ZIP: 77210
;        COMPUTER READABLE FORM:
;             MEDIUM TYPE: Floppy disk
;             COMPUTER: IBM PC compatible
;             OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
;             SOFTWARE: PatentIn Release #1.0, Version #1.30
;        CURRENT APPLICATION DATA:
;             APPLICATION NUMBER: US/09/345,294
;             FILING DATE: 30-Jun-1999
;             CLASSIFICATION: <Unknown>
;        PRIOR APPLICATION DATA:
;             APPLICATION NUMBER: 08/431,080
;             FILING DATE: <Unknown>
;        ATTORNEY/AGENT INFORMATION:
;             NAME: Parker, David L.
;             REGISTRATION NUMBER: 32,165
;             REFERENCE/DOCKET NUMBER: ARCD:155/PAR
;        TELECOMMUNICATION INFORMATION:
;             TELEPHONE: (512) 418-3000
;             TELEFAX: (713) 789-2679
;             TELEX: 79-0924
;   INFORMATION FOR SEQ ID NO: 3:
;        SEQUENCE CHARACTERISTICS:
;             LENGTH: 16 base pairs
;             TYPE: nucleic acid
;             STRANDEDNESS: single
;             TOPOLOGY: linear
;        SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-345-294-3

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 16;
  Best Local Similarity   81.2%;  Pred. No. 3.2e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2676 GTGTGTGGGTGAAATG 2691
                ||||||||||   ||
Db         16 GTGTGTGGGTGTGGTG 1


RESULT 3250
US-08-584-040-2557
; Sequence 2557, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2557:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2557

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 17;
  Best Local Similarity   12.5%;  Pred. No. 3.6e+03;
  Matches    2;  Conservative   11;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAACT 2190
                ::::::::::  || :
Db          1 UUUUUUUUUUCCAAAU 16


RESULT 3251
US-09-371-772B-1081
; Sequence 1081, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
```

```
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1081
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-1081

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 17;
  Best Local Similarity   12.5%;  Pred. No. 3.6e+03;
  Matches    2;  Conservative   11;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2175 TTTTTTTTTTTTAACT 2190
              ::::::::::  || :
Db          1 UUUUUUUUUUCCAAAU 16


RESULT 3252
US-08-584-040-2204
; Sequence 2204, Application US/08584040
; Patent No. 6346398
;  GENERAL INFORMATION:
;    APPLICANT:  Pavco, Pamela
;    APPLICANT:  McSwiggen, James
;    APPLICANT:  Stinchcomb, Dan T.
;    APPLICANT:  Escobedo, Jaime
;    TITLE OF INVENTION:  METHOD AND REAGENT FOR THE
;    TITLE OF INVENTION:  TREATMENT OF DISEASES OR
;    TITLE OF INVENTION:  CONDITIONS RELATED TO LEVELS
;    TITLE OF INVENTION:  OF VASCULAR ENDOTHELIAL
;    TITLE OF INVENTION:  GROWTH FACTOR
;    NUMBER OF SEQUENCES:  8502
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/584,040
;      FILING DATE:  January 11, 1996
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  60/005,974
;      FILING DATE:  October 26, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  218/064
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  2204:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  17 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-584-040-2204

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 17;
  Best Local Similarity   50.0%;  Pred. No. 3.6e+03;
  Matches    8;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1929 TCAGTGTTAAGGTAAT 1944
              :|||:|::|  | ||:
Db          2 UCAGUGUUAGAGAAAU 17


RESULT 3253
US-09-371-772B-749
; Sequence 749, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
;  APPLICANT: Ribozyme Pharmaceuticals, Inc.
;  APPLICANT:  Pavco, Pam
;  APPLICANT:  McSwiggen, Jim
;  APPLICANT:  Stinchcomb, Dan
;  APPLICANT:  Escobedo, Jaime
;  TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
;  TITLE OF INVENTION:  Levels of Vascular Endothelial Growth Factor Receptor
;  FILE REFERENCE: MBHB00,876-J (237/198)
;  CURRENT APPLICATION NUMBER: US/09/371,772B
;  CURRENT FILING DATE:  1999-08-10
;  PRIOR APPLICATION NUMBER: US 60/005,974
;  PRIOR FILING DATE: 1995-10-26
;  PRIOR APPLICATION NUMBER: US 08/584,040
;  PRIOR FILING DATE: 1996-01-08
;  NUMBER OF SEQ ID NOS: 14225
;  SOFTWARE: PatentIn version 3.0
; SEQ ID NO 749
;   LENGTH: 17
;   TYPE: RNA
;   ORGANISM: Homo sapiens
US-09-371-772B-749

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 17;
  Best Local Similarity   50.0%;  Pred. No. 3.6e+03;
  Matches    8;  Conservative    5;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1929 TCAGTGTTAAGGTAAT 1944
              :|||:|::|  | ||:
Db          2 UCAGUGUUAGAGAAAU 17


RESULT 3254
US-09-205-995-25
; Sequence 25, Application US/09205995
; Patent No. 6368855
; GENERAL INFORMATION:
;  APPLICANT:  Xu, Minzhen
;  APPLICANT:  Qiu, Gang
;  APPLICANT:  Humphreys, Robert
;  TITLE OF INVENTION:  CANCER CELL VACCINE
;  FILE REFERENCE:  U.S. Application 09/205,995, (CIP)
;  CURRENT APPLICATION NUMBER: US/09/205,995
;  CURRENT FILING DATE:  1998-12-04
;  PRIOR APPLICATION NUMBER:  09/036,746
;  PRIOR FILING DATE:  1998-03-09
;  PRIOR APPLICATION NUMBER:  08/661,627
;  PRIOR FILING DATE:  1996-06-11
;  NUMBER OF SEQ ID NOS:  79
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 25
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence: antisense
;   OTHER INFORMATION: oligonucleotide corresponding to a specific region
;   OTHER INFORMATION: of the mouse Ii gene.
US-09-205-995-25
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  Query Match             0.4%;  Score 11.2;  DB 1;  Length 18;
  Best Local Similarity   81.2%;  Pred. No. 3.8e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1262 CTCAGCCAAGACCGGA 1277
                | ||||||||| | ||
Db          1 CCCAGCCAAGAGCAGA 16


RESULT 3255
US-07-874-334-12/c
; Sequence 12, Application US/07874334
; Patent No. 5495009
;  GENERAL INFORMATION:
;    APPLICANT:  MATTEUCCI, MARK
;    APPLICANT:  JONES, BOB
;    APPLICANT:  LIN, KUEI-YING
;    TITLE OF INVENTION:  OLIGONUCLEOTIDE ANALOGS CONTAINING
;    TITLE OF INVENTION:  THIOFORMACETAL LINKAGES
;    NUMBER OF SEQUENCES:  18
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 Page Mill Road
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/874,334
;      FILING DATE:  19920424
;      CLASSIFICATION:  536
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  MURASHIGE, KATE H.
;      REGISTRATION NUMBER:  29,959
;      REFERENCE/DOCKET NUMBER:  24610-20005.24
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 813-5600
;      TELEFAX:  (415) 494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  misc_difference
;      LOCATION:  replace(3..4, "")
;      OTHER INFORMATION:  /note= "This position indicates a
;      OTHER INFORMATION:  formacetal linker group."
;    FEATURE:
;      NAME/KEY:  misc_difference
;      LOCATION:  replace(5, "")
;      OTHER INFORMATION:  /note= "This position is 5-methyl
;      OTHER INFORMATION:  deoxycytidine."
;    FEATURE:
;      NAME/KEY:  misc_difference
;      LOCATION:  replace(7..8, "")
;      OTHER INFORMATION:  /note= "This position indicates a
;      OTHER INFORMATION:  formacetal linker group."
;    FEATURE:
;      NAME/KEY:  misc_difference
;      LOCATION:  replace(9, "")
;      OTHER INFORMATION:  /note= "This position is 5-methyl
;      OTHER INFORMATION:  deoxycytidine."
;    FEATURE:
;      NAME/KEY:  misc_difference
;      LOCATION:  replace(11, "")
;      OTHER INFORMATION:  /note= "This position is 5-methyl
;      OTHER INFORMATION:  deoxycytidine."
;    FEATURE:
;      NAME/KEY:  misc_difference
;      LOCATION:  replace(12, "")
;      OTHER INFORMATION:  /note= "This position is 5-methyl
;      OTHER INFORMATION:  deoxycytidine."
;    FEATURE:
;      NAME/KEY:  misc_difference
;      LOCATION:  replace(13..14, "")
;      OTHER INFORMATION:  /note= "This position indicates a
;      OTHER INFORMATION:  formacetal linkage."
;    FEATURE:
;      NAME/KEY:  misc_difference
;      LOCATION:  replace(15..16, "")
;      OTHER INFORMATION:  /note= "This position indicates a
;      OTHER INFORMATION:  formacetal linker."
;    FEATURE:
;      NAME/KEY:  misc_difference
;      LOCATION:  replace(18, "")
;      OTHER INFORMATION:  /note= "This position is an
;      OTHER INFORMATION:  anthraquinone pseudonucleoside."
US-07-874-334-12

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 18;
  Best Local Similarity   81.2%;  Pred. No. 3.8e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1496 AAAATGGAGAAACACA 1511
                |||| ||||||| | |
Db         17 AAAAAGGAGAAAGAAA 2


RESULT 3256
US-09-143-212-10
; Sequence 10, Application US/09143212B
; Patent No. 6077672
; GENERAL INFORMATION:
;  APPLICANT: Brett P. Monia and Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF TRADD EXPRESSION
;  FILE REFERENCE: RTS-0005
;  CURRENT APPLICATION NUMBER: US/09/143,212B
;  CURRENT FILING DATE: 1998-08-28
;  NUMBER OF SEQ ID NOS: 87
; SEQ ID NO 10
;   LENGTH: 18
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-143-212-10

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 18;
  Best Local Similarity   81.2%;  Pred. No. 3.8e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        505 GCTGCCCTCGCACCAC 520
                |||||| || |||| |
Db          2 GCTGCCATCTCACCTC 17


RESULT 3257
US-07-627-538-6
; Sequence 6, Application US/07627538
; Patent No. 5248600
;  GENERAL INFORMATION:
;    APPLICANT:  Topal, Michael D.
;    APPLICANT:  Conrad, Michael
;    TITLE OF INVENTION:  Method of Cleaving DNA
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kenneth D. Sibley;  Bell, Seltzer, Park and Gibson
```

```
;      STREET:  Post Office Drawer 34009
;      CITY:  Charlotte
;      STATE:  No. 5248600th Carolina
;      COUNTRY:  U.S.A.
;      ZIP:  28234
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.24
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/627,538
;      FILING DATE:  19901214
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sibley, Kenneth D.
;      REGISTRATION NUMBER:  31,665
;      REFERENCE/DOCKET NUMBER:  5052-24
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  919-881-3140
;      TELEFAX:  919-881-3175
;      TELEX:  575102
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  N
;    ANTI-SENSE:  N
US-07-627-538-6

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 18;
  Best Local Similarity   81.2%;  Pred. No. 3.8e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        557 CTGGAGGCGGGCGCGG 572
              |||| || |||||| |
Db          1 CTGGTGGTGGGCGCCG 16


RESULT 3258
US-08-128-369-6
; Sequence 6, Application US/08128369
; Patent No. 5418150
;  GENERAL INFORMATION:
;    APPLICANT:  Topal, Michael D.
;    APPLICANT:  Conrad, Michael J.
;    TITLE OF INVENTION:  METHOD OF CLEAVING DNA
;    NUMBER OF SEQUENCES:  8
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Kenneth D. Sibley; Bell, Seltzer, Park and
;      ADDRESSEE:  Gibson
;      STREET:  P.O. Drawer 34009
;      CITY:  Charlotte
;      STATE:  No. 5418150th Carolina
;      COUNTRY:  USA
;      ZIP:  28234
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/128,369
;      FILING DATE:  21-SEP-1993
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Sibley, Kenneth D.
;      REGISTRATION NUMBER:  31,665
;      REFERENCE/DOCKET NUMBER:  5470-5A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  919-420-2200
;      TELEFAX:  919-881-3175
;  INFORMATION FOR SEQ ID NO:  6:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-128-369-6

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 18;
  Best Local Similarity   81.2%;  Pred. No. 3.8e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        557 CTGGAGGCGGGCGCGG 572
              |||| || |||||| |
Db          1 CTGGTGGTGGGCGCCG 16


RESULT 3259
US-08-311-486C-1089
; Sequence 1089, Application US/08311486C
; Patent No. 5811300
;  GENERAL INFORMATION:
;    APPLICANT:  Sean Sullivan
;    APPLICANT:  Kenneth Draper
;    APPLICANT:  Kevin Kisich
;    APPLICANT:  Dan T. Stinchcomb
;    APPLICANT:  James McSwiggen
;    TITLE OF INVENTION:  RIBOZYME TREATMENT OF
;    TITLE OF INVENTION:  DISEASES OR CONDITIONS
;    TITLE OF INVENTION:  RELATED TO LEVELS OF
;    TITLE OF INVENTION:  TNF-'
;    NUMBER OF SEQUENCES:  1157
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Lyon & Lyon
;      STREET:  633 West Fifth Street
;      STREET:  Suite 4700
;      CITY:  Los Angeles
;      STATE:  California
;      COUNTRY:  U.S.A.
;      ZIP:  90071-2066
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      MEDIUM TYPE:  storage
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  IBM P.C. DOS 5.0
;      SOFTWARE:  Word Perfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/311,486C
;      FILING DATE:  September 23, 1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;    PRIOR APPLICATION DATA:  including application
;    PRIOR APPLICATION DATA:  described below:                    two
;      APPLICATION NUMBER:  08/008,895
;      FILING DATE:  January 19, 1993
;      APPLICATION NUMBER:  07/989,849
;      FILING DATE:  December 7, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warburg, Richard J.
;      REGISTRATION NUMBER:  32,327
;      REFERENCE/DOCKET NUMBER:  209/166
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (213) 489-1600
;      TELEFAX:  (213) 955-0440
;      TELEX:  67-3510
;  INFORMATION FOR SEQ ID NO:  1089:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  18 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
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;      TOPOLOGY:  linear
US-08-311-486C-1089

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 18;
  Best Local Similarity   62.5%;  Pred. No. 3.8e+03;
  Matches   10;  Conservative    3;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        259 CCTCTCCTCCGCCGGG 274
              ||:|: |:|| | |||
Db          3 CCUCUGCUCCCCAGGG 18


RESULT 3260
US-09-327-796-3
; Sequence 3, Application US/09327796
; Patent No. 6255112
; GENERAL INFORMATION:
;  APPLICANT: Thiede, Mark A
;  APPLICANT: Mbalaviele, Gabriel
;  TITLE OF INVENTION: Regulation of Hematopoietic Stem Cell Differentiation
;  TITLE OF INVENTION: By the Use of Human Mesenchymal Stem Cells
;  FILE REFERENCE: 640100-332
;  CURRENT APPLICATION NUMBER: US/09/327,796
;  CURRENT FILING DATE: 1999-06-08
;  EARLIER APPLICATION NUMBER: 60/099,233
;  EARLIER FILING DATE: 1998-09-04
;  EARLIER APPLICATION NUMBER: 60/088,431
;  EARLIER FILING DATE: 1998-06-08
;  NUMBER OF SEQ ID NOS: 8
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
;   LENGTH: 19
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:PCR primer
US-09-327-796-3

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 19;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1675 CCTGGACTTCTTAGTT 1690
              || || |||||| |||
Db          4 CCAGGGCTTCTTTGTT 19


RESULT 3261
US-08-500-860A-18/c
; Sequence 18, Application US/08500860A
; Patent No. 5891679
;  GENERAL INFORMATION:
;    APPLICANT:  LUCAS, RUDOLPH
;    APPLICANT:  DE BAETSELIER, PATRICK
;    APPLICANT:  FRANSEN, LUCIE
;    APPLICANT:  SABLON, ERWIN
;    TITLE OF INVENTION:  TNF-MUTEINS, A PROCESS FOR PREPARING THEM AND
;    TITLE OF INVENTION:  THEIR USE AS ACTIVE SUBSTANCES IN PHARMACEUTICAL COMPOSITIONS
;    NUMBER OF SEQUENCES:  36
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  NIXON & VANDERHYE P.C.
;      STREET:  1100 NORTH GLEBE ROAD
;      CITY:  ARLINGTON
;      STATE:  VIRGINIA
;      COUNTRY:  U.S.A.
;      ZIP:  22201-4714
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/500,860A
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BYRNE, THOMAS E.
;      REGISTRATION NUMBER:  32,205
;      REFERENCE/DOCKET NUMBER:  1487-8
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (703)816-4000
;      TELEFAX:  (703)816-4100
;      TELEX:  200797 NIXN UR
;  INFORMATION FOR SEQ ID NO:  18:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  19 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  YES
US-08-500-860A-18

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 19;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        219 GCCACGACGGGAGCAG 234
              ||| || |||| ||||
Db         16 GCCCCGGCGGGTGCAG 1


RESULT 3262
US-07-929-204-3/c
; Sequence 3, Application US/07929204
; Patent No. 5543509
;  GENERAL INFORMATION:
;    APPLICANT:  Klotman, Paul
;    APPLICANT:  Bruggeman, Leslie
;    APPLICANT:  Horikoshi, Satoshi
;    TITLE OF INVENTION:  METHOD FOR QUANTIFYING LAMININ AND
;    TITLE OF INVENTION:  BETA-ACTIN MESSENGER RNA
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/929,204
;      FILING DATE:  14-AUG-1992
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  40399/161/NIHD
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (202)672-5300
;      TELEFAX:  (202)672-5399
;      TELEX:  904136
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-07-929-204-3
```

```
  Query Match             0.4%;  Score 11.2;  DB 1;  Length 20;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        737 ACAGTCATTCGCAAAG 752
              ||||||||  || |||
Db         19 ACAGTCATAGGCGAAG 4


RESULT 3263
US-09-560-594-56/c
; Sequence 56, Application US/09560594
; Patent No. 6242590
; GENERAL INFORMATION:
;  APPLICANT: Lex M. Cowsert
;  TITLE OF INVENTION: ANTISENSE MODULATION OF ZINC FINGER PROTEIN-217 EXPRESSION
;  FILE REFERENCE: RTS-0144
;  CURRENT APPLICATION NUMBER: US/09/560,594
;  CURRENT FILING DATE: 2000-04-28
;  NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 56
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-560-594-56

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 20;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2228 TGACATGTTCCCTTAA 2243
              |||  |||||  |||  ||
Db         20 TGAGATGTTTCCTAAA 5


RESULT 3264
US-08-055-105-1/c
; Sequence 1, Application US/08055105
; Patent No. 6018096
;  GENERAL INFORMATION:
;    APPLICANT:  Keating, A.
;    APPLICANT:  Wu, D.
;    TITLE OF INVENTION:  Animal Model for Engraftment,
;    TITLE OF INVENTION:  Proliferation and Differentiation of Human Hematopoietic
;    TITLE OF INVENTION:  Stem Cells
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Foley & Lardner
;      STREET:  3000 K Street, N.W., Suite 500
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20007-5109
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/055,105
;      FILING DATE:  03-MAY-1993
;      CLASSIFICATION:  800
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Bent, Stephen A.
;      REGISTRATION NUMBER:  29,768
;      REFERENCE/DOCKET NUMBER:  18740/124
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202 672-5300
;      TELEFAX:  202 672-5399
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-055-105-1

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 20;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1878 AAATGTCAAATTGATG 1893
              ||||  ||  |  ||||||
Db         19 AAATCTCCATTTGATG 4


RESULT 3265
US-08-167-113-13
; Sequence 13, Application US/08167113
; Patent No. 5776672
;  GENERAL INFORMATION:
;    APPLICANT:  HASHIMOTO, Koji
;    APPLICANT:  ITO, Keiko
;    APPLICANT:  ISHIMORI, Yoshio
;    APPLICANT:  GOTOH, Masanori
;    TITLE OF INVENTION:  GENE DETECTION METHOD
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT
;      STREET:  1755 S. JEFFERSON DAVIS HWY, SUITE 400
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/167,113
;      FILING DATE:  16-DEC-1993
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/766,064
;      FILING DATE:  27-SEP-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-259011
;      FILING DATE:  28-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 3-90879
;      FILING DATE:  22-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 3-191868
;      FILING DATE:  31-JUL-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  OBLON, NORMAN F
;      REGISTRATION NUMBER:  24,618
;      REFERENCE/DOCKET NUMBER:  39-3751-0 FWC CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-413-3000
;      TELEFAX:  703-413-2220
;      TELEX:  248855 OPAT UR
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
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```
US-08-167-113-13

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 20;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1034 CCGGCCGGGAGGCGGA 1049
              |||||| ||||| | |
Db          5 CCGGCCAGGAGGAGTA 20


RESULT 3266
US-08-886-161-13
; Sequence 13, Application US/08886161
; Patent No. 5972692
;  GENERAL INFORMATION:
;    APPLICANT:  HASHIMOTO, Koji
;    APPLICANT:  ITO, Keiko
;    APPLICANT:  ISHIMORI, Yoshio
;    APPLICANT:  GOTOH, Masanori
;    TITLE OF INVENTION:  GENE DETECTION METHOD
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT
;      STREET:  1755 S. JEFFERSON DAVIS HWY, SUITE 400
;      CITY:  ARLINGTON
;      STATE:  VA
;      COUNTRY:  USA
;      ZIP:  22202
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/886,161
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/167,113
;      FILING DATE:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 2-259011
;      FILING DATE:  28-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 3-90879
;      FILING DATE:  22-APR-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  JP 3-191868
;      FILING DATE:  31-JUL-1991
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  OBLON, NORMAN F
;      REGISTRATION NUMBER:  24,618
;      REFERENCE/DOCKET NUMBER:  39-3751-0 FWC CIP
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  703-413-3000
;      TELEFAX:  703-413-2220
;      TELEX:  248855 OPAT UR
;  INFORMATION FOR SEQ ID NO:  13:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
US-08-886-161-13

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 20;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       1034 CCGGCCGGGAGGCGGA 1049
              |||||| ||||| | |
Db          5 CCGGCCAGGAGGAGTA 20


RESULT 3267
US-08-665-259-64
; Sequence 64, Application US/08665259
; Patent No. 6028173
;  GENERAL INFORMATION:
;    APPLICANT:  Landes, Gregory M.
;    APPLICANT:  Burn, Timothy C.
;    APPLICANT:  Connors, Timothy D.
;    APPLICANT:  Dackowski, William R.
;    APPLICANT:  Van Raay, Terence J.
;    APPLICANT:  Klinger, Katherine W.
;    TITLE OF INVENTION:  NOVEL HUMAN CHROMOSOME 16 GENES,
;    TITLE OF INVENTION:  COMPOSITIONS, METHODS OF MAKING AND USING SAME
;    NUMBER OF SEQUENCES:  73
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  GENZYME CORPORATION
;      STREET:  One Mountain Road
;      CITY:  Framingham
;      STATE:  Massachusetts
;      COUNTRY:  United States of America
;      ZIP:  01701
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/665,259
;      FILING DATE:  17-JUN-1996
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Dugan, Deborah A.
;      REGISTRATION NUMBER:  37,315
;      REFERENCE/DOCKET NUMBER:  IG5-9.1
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (508) 872-8400
;      TELEFAX:  (508) 872-5415
;  INFORMATION FOR SEQ ID NO:  64:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  20 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  other nucleic acid
;      DESCRIPTION:  /desc = "oligonucleotide primer"
US-08-665-259-64

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 20;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        457 CAGCCAGCAGCAGGCC 472
              | | |||| |||||||
Db          1 CGGGCAGCCGCAGGCC 16


RESULT 3268
US-08-762-500-64
; Sequence 64, Application US/08762500
; Patent No. 6030806
;  GENERAL INFORMATION:
;    APPLICANT:  Landes, Gregory M.
;    APPLICANT:  Burn, Timothy C.
;    APPLICANT:  Connors, Timothy D.
;    APPLICANT:  Dackowski, William R.
;    APPLICANT:  Van Raay, Terence J.
;    APPLICANT:  Klinger, Katherine W.
;    TITLE OF INVENTION:  NOVEL HUMAN CHROMOSOME 16 GENES,
;    TITLE OF INVENTION:  COMPOSITIONS, METHODS OF MAKING AND USING SAME
;    NUMBER OF SEQUENCES:  83
```

```
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  GENZYME CORPORATION
;       STREET:  One Mountain Road
;       CITY:  Framingham
;       STATE:  Massachusetts
;       COUNTRY:  United States of America
;       ZIP:  01701
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/762,500
;       FILING DATE:  09-DEC-1996
;       CLASSIFICATION:  435
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/665,259
;       FILING DATE:  17-JUN-1996
;     PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  PCT/US96/10469
;       FILING DATE:  17-JUN-1996
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Dugan, Deborah A.
;       REGISTRATION NUMBER:  37,315
;       REFERENCE/DOCKET NUMBER:  IG5-9.3
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (508) 872-8400
;       TELEFAX:  (508) 872-5415
;   INFORMATION FOR SEQ ID NO:  64:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  20 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  other nucleic acid
;       DESCRIPTION:  /desc = "oligonucleotide primer"
US-08-762-500-64

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 20;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        457 CAGCCAGCAGCAGGCC 472
              | | |||| |||||||
Db          1 CGGGCAGCCGCAGGCC 16


RESULT 3269
US-09-517-584A-19
; Sequence 19, Application US/09517584A
; Patent No. 6187587
; GENERAL INFORMATION:
;  APPLICANT:      Ian Popoff
;  APPLICANT:  Vickie L. Brown-Driver
;  APPLICANT:  Lex M. Cowsert
;  TITLE OF INVENTION:      ANTISENSE MODULATION OF E2F TRANSCRIPTION FACTOR 1 EXPRESSIO
;  FILE REFERENCE:      RTS-0121
;  CURRENT APPLICATION NUMBER: US/09/517,584A
;  CURRENT FILING DATE:  2000-03-22
;  NUMBER OF SEQ ID NOS:      89
; SEQ ID NO 19
;   LENGTH: 20
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-584A-19

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 20;
  Best Local Similarity   81.2%;  Pred. No. 4e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy        800 GAGCTGGTGGGGGCCG 815
              | || |||||| ||||
Db          1 GGGCCGGTGGGAGCCG 16


RESULT 3270
US-08-983-108-1/c
; Sequence 1, Application US/08983108
; Patent No. 5972612
;  GENERAL INFORMATION:
;    APPLICANT:  Malmqvist, Magnus
;    APPLICANT:  Persson, Bjorn
;    TITLE OF INVENTION:  METHOD FOR NUCLEIC ACID SEQUENCING
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  SEED and BERRY
;      STREET:  6300 Columbia Center, 701 Fifth Avenue
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98104
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/983,108
;      FILING DATE:  15-MAY-1998
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Loop, Thomas E.
;      REGISTRATION NUMBER:  41,181
;      REFERENCE/DOCKET NUMBER:  740073.441US
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 622-4900
;      TELEFAX:  (206) 682-6031
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-983-108-1

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 24;
  Best Local Similarity   66.7%;  Pred. No. 3.7e+03;
  Matches   16;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy       2781 AATTGAAAAAAAAAAAAAAAAAAA 2804
              ||   ||| || |   ||||||||
Db         24 AAAAAAAATAAGATGCAAAAAAAA 1


RESULT 3271
US-08-242-402-13
; Sequence 13, Application US/08242402
; Patent No. 5580967
;  GENERAL INFORMATION:
;    APPLICANT:  JOYCE, GERALD F
;    TITLE OF INVENTION:  OPTIMIZED CATALYTIC DNA-CLEAVING
;    TITLE OF INVENTION:  RIBOZYMES
;    NUMBER OF SEQUENCES:  26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  THE SCRIPPS RESEARCH INSTITUTE, OFFICE OF
;      ADDRESSEE:  PATENT COUNSEL
;      STREET:  10666 NORTH TORREY PINES ROAD, TPC 8
;      CITY:  LA JOLLA
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
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```
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/242,402
;       FILING DATE:  13-MAY-1994
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  LOGAN, APRIL C
;       REGISTRATION NUMBER:  33,950
;       REFERENCE/DOCKET NUMBER:  TSRI 412.0
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  619-554-2937
;       TELEFAX:  619-554-6312
;   INFORMATION FOR SEQ ID NO:  13:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  24 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
US-08-242-402-13

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 24;
  Best Local Similarity   81.2%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||| ||| ||| ||||
Db          9 AAATAAATAAATAAAA 24


RESULT 3272
US-08-682-423-26
; Sequence 26, Application US/08682423
; Patent No. 6063566
;  GENERAL INFORMATION:
;    APPLICANT:  Joyce, Gerald F.
;    TITLE OF INVENTION:  NOVEL CATALYTIC RNA MOLECULES
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  The Scripps Research Institute, Office of
;      ADDRESSEE:  Patent Counsel
;      STREET:  10666 No. 6063566th Torrey Pines Road, TPC-8
;      CITY:  La Jolla
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  92037
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/682,423
;      FILING DATE:  17-JUL-1996
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/242,402
;      FILING DATE:  13-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/270,180
;      FILING DATE:  01-JUL-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Logan, April C.
;      REGISTRATION NUMBER:  33,950
;      REFERENCE/DOCKET NUMBER:  TSRI 412.2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  619-554-2937
;      TELEFAX:  619-554-6312
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-08-682-423-26

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 24;
  Best Local Similarity   81.2%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||| ||| ||| ||||
Db          9 AAATAAATAAATAAAA 24


RESULT 3273
PCT-US95-05141-26
; Sequence 26, Application PC/TUS9505141
;  GENERAL INFORMATION:
;    APPLICANT:
;    TITLE OF INVENTION:  NOVEL ENZYMATIC RNA MOLECULES
;    NUMBER OF SEQUENCES:  29
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25 (EPO)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/05141
;      FILING DATE:  26-APR-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/242,402
;      FILING DATE:  13-MAY-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/270,180
;      FILING DATE:  01-JUL-1994
;  INFORMATION FOR SEQ ID NO:  26:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  24 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
PCT-US95-05141-26

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 24;
  Best Local Similarity   81.2%;  Pred. No. 3.7e+03;
  Matches   13;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAAAAAAA 2801
              ||| ||| ||| ||||
Db          9 AAATAAATAAATAAAA 24


RESULT 3274
US-08-374-144-3/c
; Sequence 3, Application US/08374144
; Patent No. 5629147
;  GENERAL INFORMATION:
;    APPLICANT:  Aprogenex, Inc.
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells
;    TITLE OF INVENTION:  Maternal Blood For In Situ Hybridization
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Elman Wilf & Fried
;      STREET:  20 West Third Street, P.O. Box 703
;      CITY:  Media
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19063-8969
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch 720K diskette
;      COMPUTER:  IBM PC compatible
```

```
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  WordPerfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/374,144
;       FILING DATE:
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Gerry J. Elman
;       REGISTRATION NUMBER:  24,404
;       REFERENCE/DOCKET NUMBER:  M19-085
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  610-892-9580
;       TELEFAX:  610-892-9577
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  25 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
US-08-374-144-3

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 25;
  Best Local Similarity   66.7%;  Pred. No. 3.5e+03;
  Matches   16;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGCC 74
              || || |  || || || | ||||
Db         25 GCCGCCGCCGCCGCCGCCGCCGCC 2


RESULT 3275
US-08-775-164-3/c
; Sequence 3, Application US/08775164
; Patent No. 5766843
;  GENERAL INFORMATION:
;    APPLICANT:  Aprogenex, Inc.
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Elman & Associates
;      STREET:  20 West Third Street, P.O. Box 1969
;      CITY:  Media
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19063-8969
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch 720K diskette
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/775,164
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gerry J. Elman
;      REGISTRATION NUMBER:  24,404
;      REFERENCE/DOCKET NUMBER:  M19-103
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-892-9580
;      TELEFAX:  610-892-9577
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-775-164-3

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 25;
  Best Local Similarity   66.7%;  Pred. No. 3.5e+03;
  Matches   16;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGCC 74
              || || |  || || || | ||||
Db         25 GCCGCCGCCGCCGCCGCCGCCGCC 2


RESULT 3276
US-08-775-609-3/c
; Sequence 3, Application US/08775609
; Patent No. 5858649
;  GENERAL INFORMATION:
;    APPLICANT:  Aprogenex, Inc.
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Elman & Associates
;      STREET:  20 West Third Street, P.O. Box 1969
;      CITY:  Media
;      STATE:  PA
;      COUNTRY:  USA
;      ZIP:  19063-8969
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch 720K diskette
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/775,609
;      FILING DATE:
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gerry J. Elman
;      REGISTRATION NUMBER:  24,404
;      REFERENCE/DOCKET NUMBER:  M19-103
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  610-892-9580
;      TELEFAX:  610-892-9577
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
US-08-775-609-3

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 25;
  Best Local Similarity   66.7%;  Pred. No. 3.5e+03;
  Matches   16;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGCC 74
              || || |  || || || | ||||
Db         25 GCCGCCGCCGCCGCCGCCGCCGCC 2


RESULT 3277
US-08-775-607-3/c
; Sequence 3, Application US/08775607
; Patent No. 5861253
;  GENERAL INFORMATION:
;    APPLICANT:  Aprogenex, Inc.
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Elman & Associates
;      STREET:  20 West Third Street, P.O. Box 1969
```

```
;       CITY:  Media
;       STATE:  PA
;       COUNTRY:  USA
;       ZIP:  19063-8969
;     COMPUTER READABLE FORM:
;       MEDIUM TYPE:  3.5 inch 720K diskette
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  WordPerfect 5.1
;     CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/775,607
;       FILING DATE:
;       CLASSIFICATION:  435
;     ATTORNEY/AGENT INFORMATION:
;       NAME:  Gerry J. Elman
;       REGISTRATION NUMBER:  24,404
;       REFERENCE/DOCKET NUMBER:  M19-103
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  610-892-9580
;       TELEFAX:  610-892-9577
;   INFORMATION FOR SEQ ID NO:  3:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  25 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  DNA (genomic)
;     HYPOTHETICAL:  NO
;     ANTI-SENSE:  NO
US-08-775-607-3

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 25;
  Best Local Similarity   66.7%;  Pred. No. 3.5e+03;
  Matches   16;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGCC 74
              || ||  |  || || || | ||||
Db         25 GCCGCCGCCGCCGCCGCCGCCGCC 2


RESULT 3278
PCT-US93-06828-3/c
; Sequence 3, Application PC/TUS9306828
;  GENERAL INFORMATION:
;    APPLICANT:  Asgari, Morteza
;    APPLICANT:  Bresser, Joel
;    APPLICANT:  Cubbage, Michael L
;    APPLICANT:  Prashad, Nagindra
;    TITLE OF INVENTION:  Enriching and Identifying Fetal Cells In Maternal Blood For
;    TITLE OF INVENTION:  In Situ Hybridization
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:
;      STREET:
;      CITY:
;      STATE:
;      COUNTRY:
;      ZIP:
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 Floppy disk - 720 k
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/06828
;      FILING DATE:  19930719
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:
;      REGISTRATION NUMBER:
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:
;      TELEFAX:
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  25 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    HYPOTHETICAL:  NO
;    ANTI-SENSE:  NO
PCT-US93-06828-3

  Query Match             0.4%;  Score 11.2;  DB 1;  Length 25;
  Best Local Similarity   66.7%;  Pred. No. 3.5e+03;
  Matches   16;  Conservative    0;  Mismatches    8;  Indels    0;  Gaps    0;

Qy         51 GCGGCGGGGGCGGCGGCAGACGCC 74
              || ||  |  || || || | ||||
Db         25 GCCGCCGCCGCCGCCGCCGCCGCC 2


RESULT 3279
US-08-434-705B-2/c
; Sequence 2, Application US/08434705B
; Patent No. 5798258
;  GENERAL INFORMATION:
;    APPLICANT:  Douglass Ph.D., James
;    TITLE OF INVENTION:  CART PROTEIN AND DNA ENCODING THEREFOR
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis K. Shelton
;      STREET:  1420 Fifth Avenue, Suite 2800
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/434,705B
;      FILING DATE:  May 4, 1995
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Shelton, Dennis K.
;      REGISTRATION NUMBER:  26,997
;      REFERENCE/DOCKET NUMBER:  OHSU18446
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 682-8100
;      TELEFAX:  (206) 224-0779
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
;    HYPOTHETICAL:  NO
US-08-434-705B-2

  Query Match             0.4%;  Score 11;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAA 2796
              ||||||||||| 
Db         13 AAAAAAAAAAA 3


RESULT 3280
US-09-086-201-2/c
```

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; Sequence 2, Application US/09086201
; Patent No. 5969103
;  GENERAL INFORMATION:
;    APPLICANT:  Douglass Ph.D., James
;    TITLE OF INVENTION:  CART PROTEIN AND DNA ENCODING THEREFOR
;    NUMBER OF SEQUENCES:  21
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Dennis K. Shelton
;      STREET:  1420 Fifth Avenue, Suite 2800
;      CITY:  Seattle
;      STATE:  Washington
;      COUNTRY:  USA
;      ZIP:  98101
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/086,201
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/434,705
;      FILING DATE:  May 4, 1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Shelton, Dennis K.
;      REGISTRATION NUMBER:  26,997
;      REFERENCE/DOCKET NUMBER:  OHSU18446
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (206) 682-8100
;      TELEFAX:  (206) 224-0779
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  13 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Other nucleic acid
;    HYPOTHETICAL:  NO
US-09-086-201-2

  Query Match             0.4%;  Score 11;  DB 1;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 2.1e+03;
  Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy       2786 AAAAAAAAAAA 2796
              ||||||||||| 
Db         13 AAAAAAAAAAA 3


Search completed: June 10, 2004, 12:38:24
Job time : 86 secs
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